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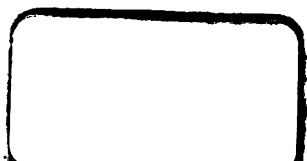
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Illinois State Museum  
OF  
FIFTH BIENNIAL REPORT **NATURAL HISTORY**  
SPRINGFIELD, ILL.

OF THE

DEPT. OF  
AGRICULTURE

BUREAU OF LABOR STATISTICS

OF

ILLINOIS.

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1888.

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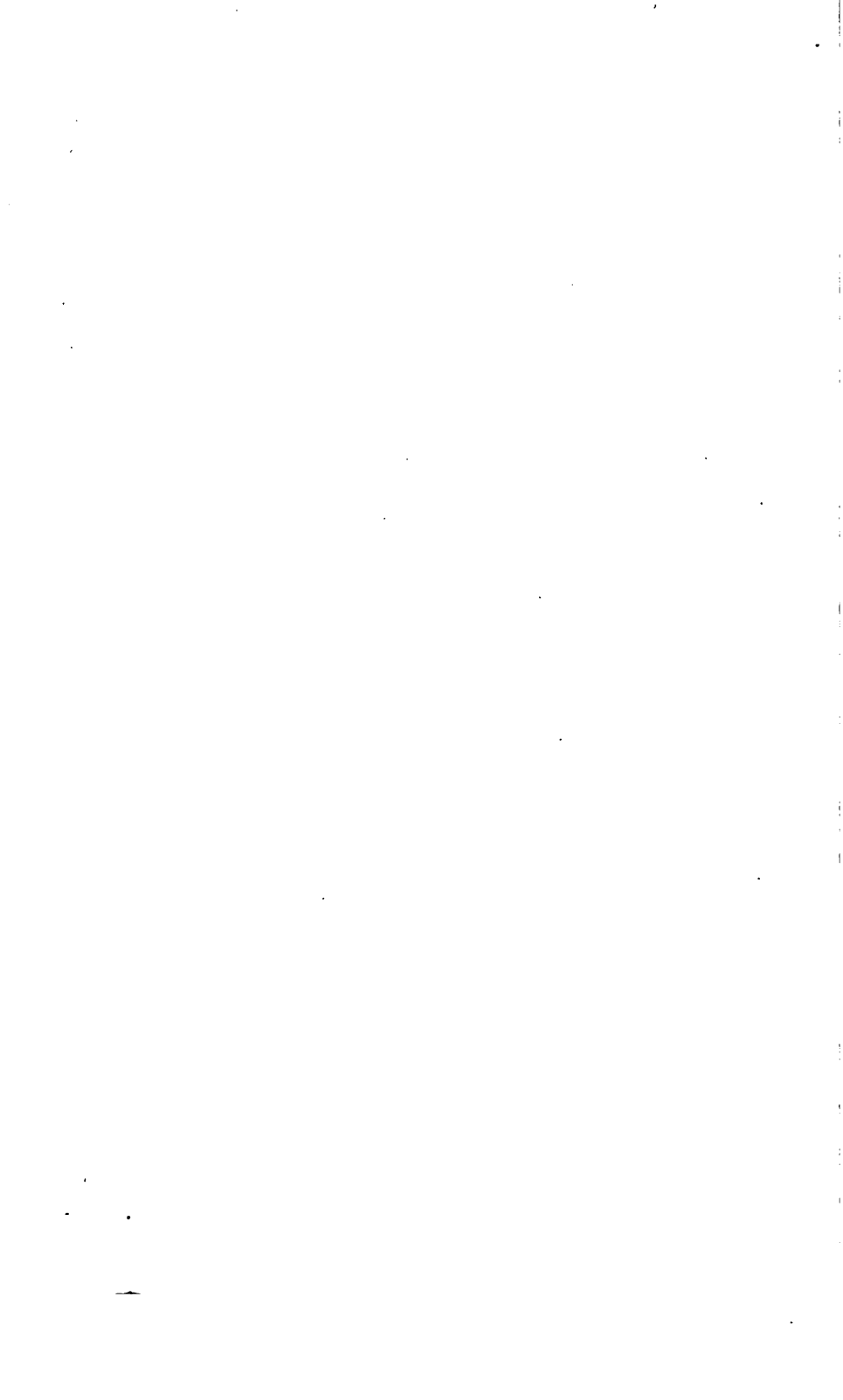
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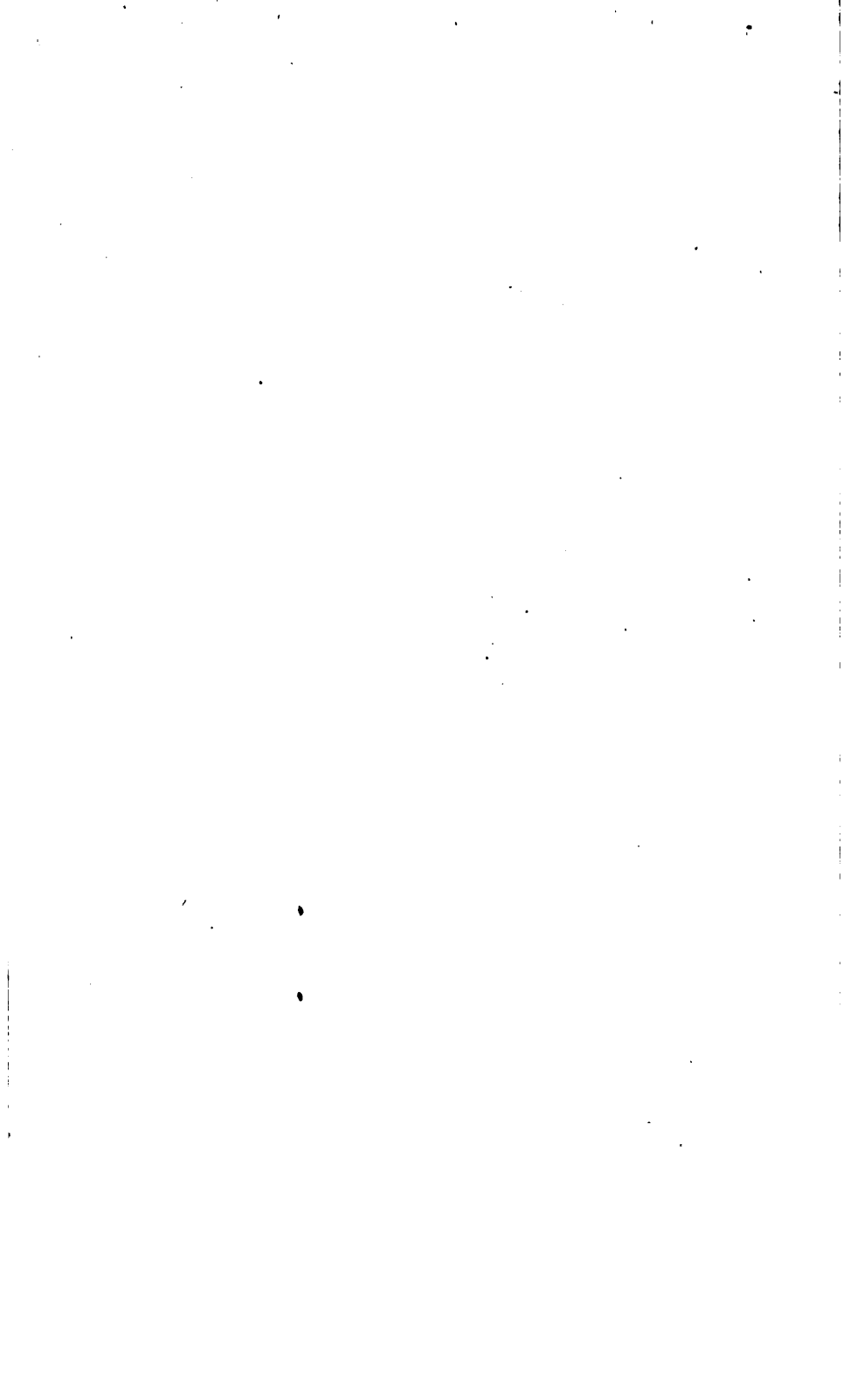
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STATE OF ILLINOIS,  
OFFICE OF THE BUREAU OF LABOR STATISTICS, ■  
SPRINGFIELD, ILL., Nov. 1, 1888.

HONORABLE RICHARD J. OGLESBY, *Governor of Illinois.*

SIR: In compliance with the Act of the Thirty-first General Assembly creating this Bureau, the Board of Commissioners herewith submit to you for transmission to the Thirty-sixth General Assembly their Fifth Biennial Report.

Very respectfully,

JOHN S. LORD.

*Secretary.*

THE UNIVERSITY OF CHICAGO  
PRESS

**State Museum Natural History,  
SPRINGFIELD, ILLINOIS.**

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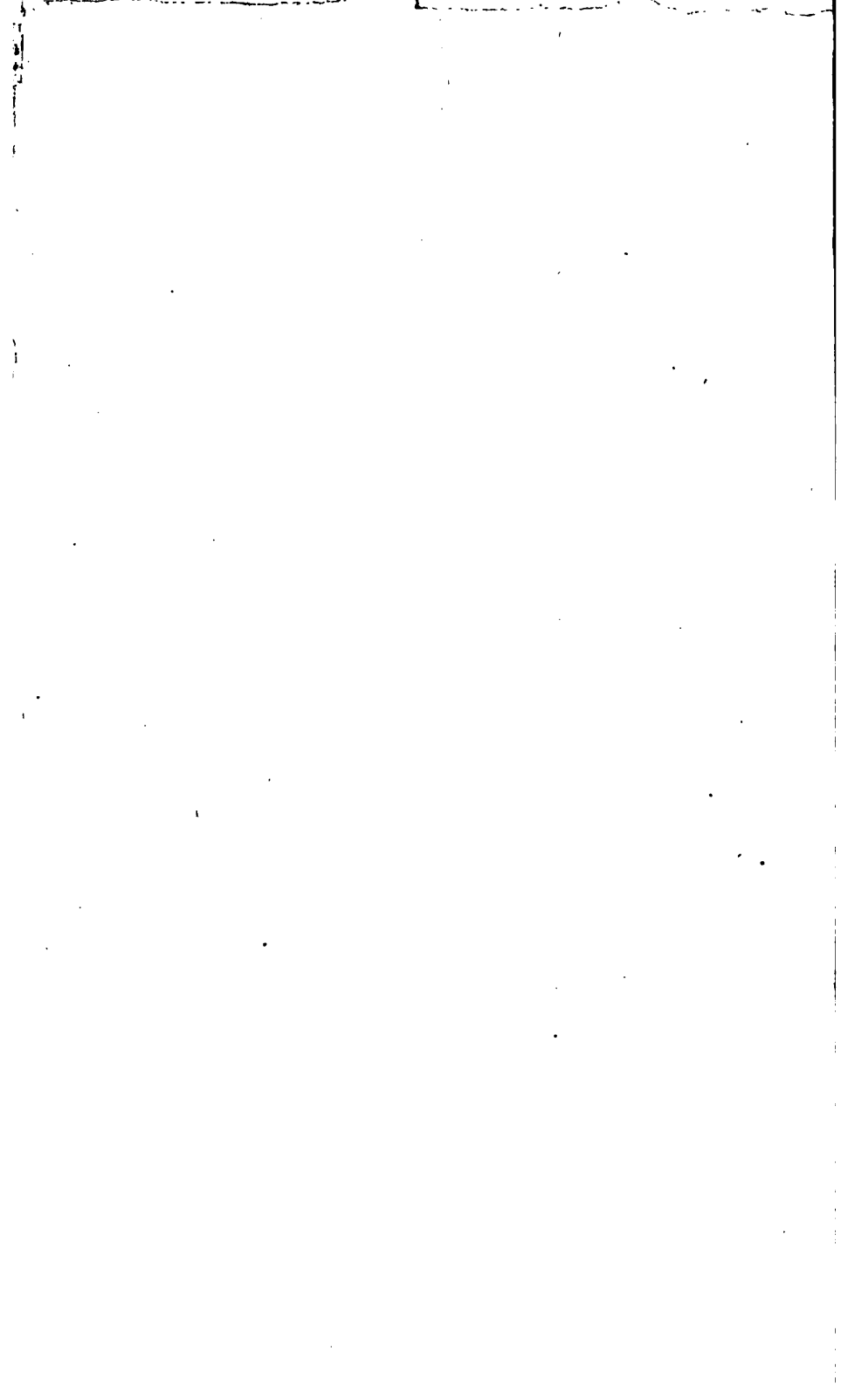
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## INTRODUCTION.

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The Fifth Biennial Report of the Bureau of Labor Statistics of Illinois is presented in Three Parts, treating respectively of the statistics of Mortgage Indebtedness, the statistics of Strikes, and the statistics of Coal Production in Illinois.

PART I. The specific investigation undertaken by this bureau as the basis of the present report has been an inquiry concerning the debts of the people as shown by the public records of mortgages placed upon private property.

It has been the practice of the board in the past to direct its attention to special features of the general situation in industrial affairs, and to procure and compile in statistical form all obtainable information on the subjects chosen, with a view to procuring a series of reports of definite value for reference and record. These inquiries have heretofore related chiefly to the details of outward condition as they have been found to exist among the workingmen of the State, and the reports published have treated successively of wages and earnings; working time and the daily hours of labor; the cost and manner of living; the influence of convict labor upon wages; the growth, character and potency of labor organizations; the medium and frequency with which wages are paid; the imposing of fines upon employes for trivial offenses; the condition of coal miners, and kindred topics touching the material status of those who work for wages in the various occupations.

These subjects have been taken up from time to time as the demand has arisen for information concerning them, and in the belief that the special function of the bureau is to afford intelli-

gence of a trustworthy character, not otherwise obtainable, upon all questions of fact relating to the social and physical condition of those under employment.

In taking up the subject of the debts of all the people for consideration in the present report, the attempt has been made to explore somewhat deeper than the surface indices of condition and to bring to light a class of facts, heretofore unattainable, yet fundamental in character, and closely allied to the problems of the day relating to the working people. Attention should doubtless be directed quite as much to the underlying facts which develop conditions, as to the outward aspect of affairs; and if such facts are involved in obscurity no labor can be more wisely expended than that required to define their exact character, and thus their possible influence. Such obscurity involves the subject of private debt, and the effort to ascertain its real proportions has been made in the belief, not only, that data upon this subject are of the first importance in all economic discussion, but equally because there is evidence on every hand of a desire for this class of facts. This has no doubt been stimulated by the conflicting estimates and conjectures of those who have recently discussed the subject, and by the discovery, in that connection, that it was impossible to test by any reputable statistics any of the statements made or denied.

The aggregate of public debts, or those assumed by the people in their corporate capacity, is a matter of public record. Statistics of the national, state, county, town or municipal indebtedness are officially published by governmental agencies and constitute accessible and current information. The same is generally true of the amount of the bonded indebtedness of railroad companies and other corporations whose shares are offered for sale to the public. When, however, the inquiry reaches the subject of individual transactions, and the amount of personal indebtedness assumed and borne by the people, there is no longer any guide in official statistics, and, equally, no apparent limit to the exercise of the imagination.

The difficulties in arriving at this last element in the total of indebtedness resting upon the community are manifold, and in some degree insurmountable. The facts, like many of those sought in economic inquiries, are primarily in the possession of individuals

only; they are for the most part of a purely personal nature, and as such practically inaccessible; for the average man does not recognize a public interest in his personal affairs as legitimate. Moreover, statistics based upon personal statements are necessarily inexact in many particulars and from varying influences even when the witness is willing and sincere; and to get them at all is impossible in the case of the wilfully uncommunicative. Practically, also, it is entirely beyond the province or the resources of this office to make a personal canvass of all the people for any purpose.

It is thus apparent that only such personal debts as become matters of public record and, consequently, of public information, could be contemplated either as within the reach of the bureau, or as affording legitimate material for exact statistics on this subject. But on the other hand the debts of record comprehend the mass of all private debts, save those of current business and exchange, and as such possess in paramount degree the special interest which attaches to all liabilities. They afford, moreover, not only aggregates, but a great variety of details as to the conditions of life in every community. Possibly no abstract statistics could furnish a truer index of the financial status of the people than the record of the farms, live stock and crops mortgaged for borrowed money; or of the houses and lots, household goods, and wearing apparel of those living in towns, pledged for debt. On the other hand there is equal significance of another kind in the number and character of mortgages given for balances of purchase money, as indicating a disposition and ability on the part of the mortgageor to increase rather than diminish his possessions. Facts of this character, especially if developed for consecutive periods, contribute alike to the elucidation of the broader economic problems, and to the specific knowledge of classes and localities. Such a compilation is here presented for the State of Illinois. It has been undertaken for the general purpose of fixing the measure, character and distribution of the private debt which rests upon the people, and which together with the various forms of public debt constitutes a burden, in interest and taxes, which, it is frequently claimed, must in the last analysis be paid by the wages of labor.

Whether the volume of recorded debt here shown is what may be justly regarded as a normal indebtedness, or whether it is greater than comports with a true and permanent prosperity; or to what degree the debt condition is in itself an evil, or how far it is an essential feature of all business activities, it is not assumed to discuss or determine. The attempt has been made simply to establish a basis of fact upon which this subject, and its relations to those under employment, and to all people, may be intelligently considered.

PART II. The second division of this report consists of a statistical recital of the strikes which occurred in Illinois during the series of years from 1881 to 1886 both inclusive. The tables presented are the result of a special investigation made by the Bureau of Labor at Washington concerning the strikes of the whole country. Through the courtesy of the Commissioner, Hon. Carroll D. Wright, and with the consent of the Secretary of the Department of the Interior, transcripts of such schedules as contained the statistics of strikes in Illinois were tendered to this bureau in order that they might be officially published as a part of the industrial history of the State. These tables are introduced by appropriate commentary and analysis, summarizing the more important details, and reducing the leading facts developed by the inquiry to concise statement.

PART III of this report is devoted to the customary annual review of the progress of coal mining in this State, and embraces statistics not only of production, but of the economic relations existing between coal miners and their employers, as shown by the rates of wages, values of product, and the physical conditions under which the labor of miners is performed.

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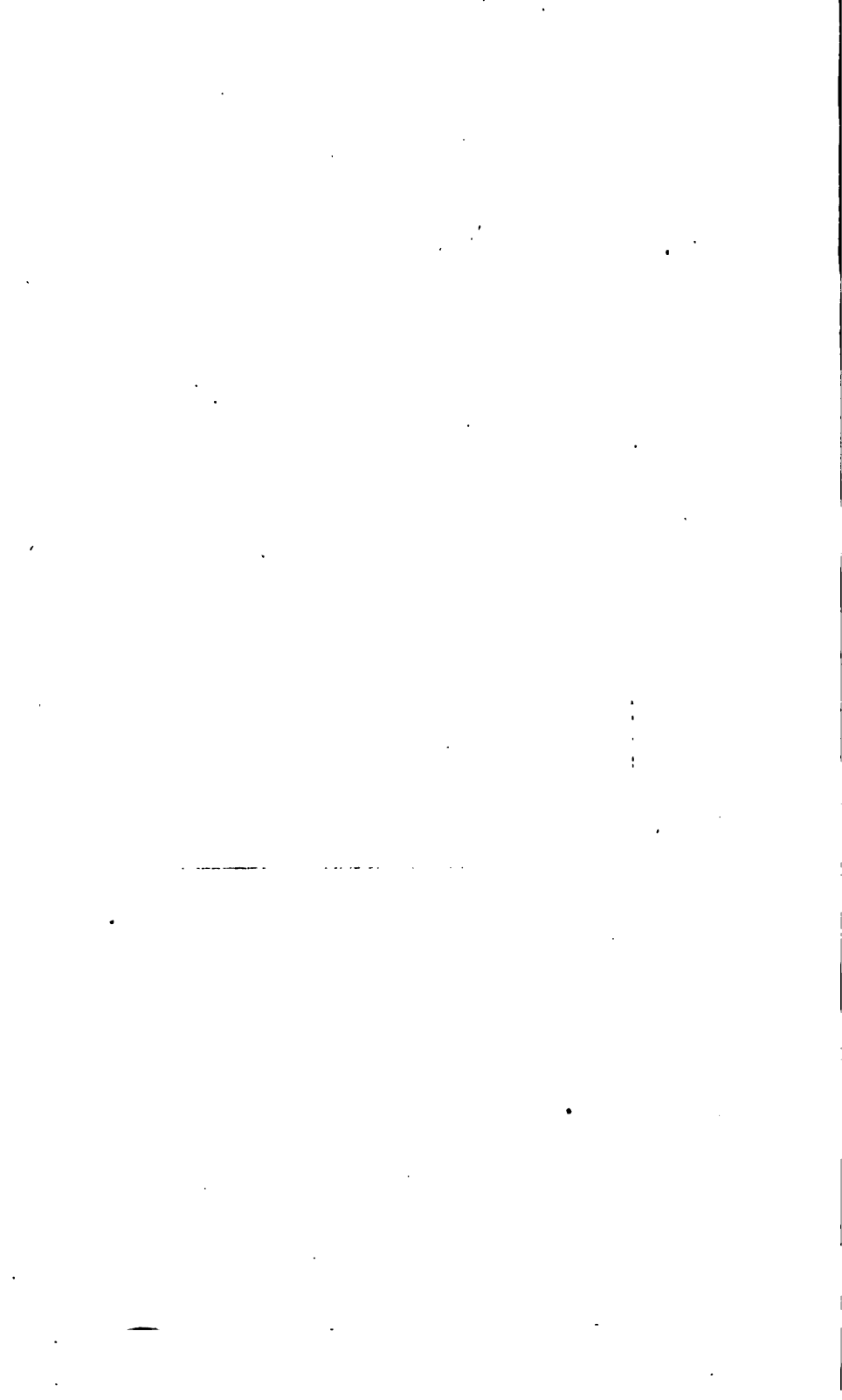
**PART I**

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**STATISTICS OF MORTGAGES.**

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## CHAPTER I.

## SCOPE OF THE INVESTIGATION.

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THE CLASSIFICATION OF MORTGAGES.

Evidences of debt which appear upon the public records are of two classes, distinct in motive and character, but alike exponents of private indebtedness. These are, mortgages in their various forms, or their equivalents; and judgments, or decrees of certain courts against debtors, which are liens upon any attachable property they may possess, until satisfied. These are equally record evidences of debt, and equally entitled to consideration in any summary of total indebtedness; but compared with each other, the judgment debts are relatively insignificant in number and amount. There could be no question as to the paramount value of the statistics of mortgages, and equally no question as to the desirability of obtaining both; but a definite limit to the resource of the board has rendered it impossible to extend the inquiry, for the present at least, beyond the records of mortgages. In order, however, to test the relative importance of the two classes of records, a trial examination has been made of the records of Sangamon county, which shows that the aggregate of all the decrees rendered in the year 1887 was equivalent to 8 per cent. only of the aggregate of mortgages executed and recorded during the same period. This is possibly a fair indication of the relative amounts of the two classes of debts, though not necessarily of the relative interest which might attach to them.

Mortgages naturally group themselves into two classes, those in which real estate is made the security for debt, and those in which personal property is so pledged; real estate is also usually classified as lands and lots, and this distinction is, perhaps, not less important than the former. The primary subdivision of the subject is accordingly three-fold, embracing mortgages on lands, on lots and on chattels; the first including all lands not subdivided as town property; the second, all lots, blocks and sub-divisions in and about cities and towns; the third, all kinds of personal property.

In addition to this classification a distinction has also been recognized, and preserved, so far as the records indicate the fact, between mortgages given for borrowed money and those for deferred payments of purchase money. The motive in these two classes of cases, and the situation implied, are so dissimilar as to justify and require a separation of them, solely on the basis of their essential differences. The one implies at least the need of money, though it may be solely for business ventures, and suggests possible extremities; the other indicates the possession of money to invest and a legitimate expectation of more.

It would be additionally interesting no doubt to penetrate somewhat deeper into the motive of mortgages, of both classes; but the records afford no clue as to what proportion of the money borrowed on land, for instance, is used in the purchase of other lands, or for buildings, tiling or other betterments of the estate; or what proportion of the loans made on town lots is restored to the lot in the form of improvements; or what amounts are borrowed for speculation or business purposes, as distinguished from loans made by reason of misfortune or financial embarrassment. The mortgages also for balances of purchase money may be, and in large cities frequently are, made by speculators in real estate rather than by *bona fide* holders for use. These details of motive, however, can not be discerned from any study of the public records. It is usually possible to find internal or other evidence of the fact, if a mortgage is given for deferred payments; but beyond that no classification based on the nature of the transaction is feasible.

The division on this line has been made under the general instruction to examiners, to include in the list of deferred payment



mortgages only those which were clearly of that character, and those which were probably such upon a fair inference, reinforced by the personal knowledge of the examiner, who in most instances has been the county recorder himself. The presumption is, therefore, that the real number of mortgages based on purchases may be somewhat greater than the reported number, owing to the impossibility of always identifying them; but not less, since those which are taken, are such only as do not admit of reasonable doubt. In localities where it is the custom to reserve a vendor's lien, for deferred payments, in the deed to purchasers, instead of taking a mortgage, such deeds have been construed and enumerated as mortgages for deferred payments. Also in the case of mortgages given to building and loan associations, although these are for a specific sum of money loaned to the mortgageor, yet the conditions are such, and the object of the association so well defined, that all such loans are clearly made solely to facilitate the purchase of, and payment for the property incumbered.

In regard to chattel mortgages given for balances of purchase money, the distinction is the more readily made from the fact that those dealers who make a business of selling furniture, pianos, sewing machines, farm machinery, etc., on time, taking mortgages for balances due, generally use a special form of instrument adapted to their business. These and such others as give evidence of purchases made, constitute the deferred payment class of mortgages on personal property; of which it may also be said that the total given, is, for reasons already indicated, possibly somewhat less, but certainly not more than the actual number.

A further feature of this examination has been the special notation of two classes of mortgagees, viz: non-residents of the State, and building and loan associations. These are the only classes of mortgagees which it was found feasible to specially enumerate, though, for obvious reasons, it was eminently fitting that the opportunity should be improved to separate and classify these. There have consequently been taken and summarized, separately, from the records of each county, all mortgages executed to non-residents and such as have been given to the various co-operative building societies.

Finally, chattel mortgages have also been subjected to classification according to the character of the property pledged, in order to indicate what classes of people and of property most frequently appear on the chattel records.

This statement outlines the special features of the work undertaken and defines the limits within which it has been found necessary to restrict the investigation. It remains to be considered what period or periods should be embraced in such an inquiry as that contemplated.

#### THE YEARS FOR WHICH STATISTICS HAVE BEEN TAKEN.

It is evident at the outset that, provided the given aggregates of debt at any one time be approximately reached, there is still a degree of uncertainty, unless comparisons can be made, as to whether the total found be what may be considered a normal amount, under all circumstances, or greater or less than that of other communities or that in other times. But as a matter of fact there are no official statistics, so far as it has been possible to learn, covering the details here contemplated, for any period or any State. There has certainly been no corresponding compilation made in this State, and none by the general government. The absence of such a basis of comparison has emphasized the necessity of establishing one, by extending the examination of records to several periods; for the sake, not only of the facts themselves, but for what light they might shed upon each other, and upon the present situation. In order, therefore, to present consecutive and similar summaries, the same class of facts has been gathered, from the same files of records, and they have been subjected to the same classification and analysis for each of the three calendar years 1887, 1880 and 1870. A view is thus obtained from three points of observation, embracing a period of eighteen years, during which the State has undergone many changes, and great physical development.

It is also believed that the dates chosen have been, as nearly as any, normal years, that is, free from unusual disturbances, or exceptional monetary inflations or depressions, and, consequently, that they afford a basis for legitimate inference concerning relative conditions as indicated by the relative volume of debt.

## THE TOTAL OF EXISTING INDEBTEDNESS.

The details of the records thus transcribed, for the three calendar years, afford a mass of exact and parallel data for each year, which are conclusive as to the amount and character of all debts actually recorded during those years; but yet are not conclusive as to the whole amount outstanding at any one time. This is the real objective in any inquiry of this kind, and to reach it, or to make the closest possible approximation to it, has been the purpose of this inquiry.

The actual total of existing indebtedness at any given point of time is really an amount which, it requires but little reflection to realize, can not for obvious reasons be exactly determined. It involves first the identification and registration of every mortgage in force; and this would require a search of all records extant, and a tracing of every instrument from its execution to its maturity, and from its maturity to its cancellation or extension,—as to the former of which the records themselves are not a certain guide, and as to the latter, no guide at all; it involves also the discovery and elimination of all partial payments or payments made in advance, and the retention of all amounts due and unpaid,—concerning which there is no record evidence whatever; moreover, the amount of labor implied in such an attempt at exact enumeration, even if the facts were all accessible, would simply be incalculable. In brief, the total of existing debts is not to be derived with complete accuracy from any study of the face of the records, nor from any other source.

Limitations such as these may be, and usually are, encountered in every branch of statistical work; but they do not necessarily constitute an insurmountable barrier to the seeker for substantial truth. The more important matter is, that such limits be fairly recognized, and that the line be well-defined which separates the fact established from the fact inferred.

In this case we have certain statistical data, exact and unimpeachable, gathered from the public records, which are final authority to all men. The actual facts found are the details of every mortgage recorded within certain years. These transcribed, analyzed and tabulated, chronologically, constitute, not only accurate and valuable statistics in themselves, but also a basis of fact from

which to deduce whatever the facts may justify. The tabular portions of this report consequently present statistics of two kinds,—the facts as taken from the records, and the deductions made from them; the former being the essential features of every mortgage recorded, the latter being the presumptive total of all mortgages in force; from the former there can be no appeal; as to the latter, they are true only so far as the hypothesis on which they are based is true, and the calculations themselves correct.

The items taken from the records embrace the four essential factors of every instrument, to-wit: the amount for which each mortgage is given; the character and amount of the property mortgaged; the time within which payment is promised, and the rate of interest per annum, to be paid. As to the amounts involved, there is rarely any obscurity. As to the classification on the basis of property, mortgages which cover both lands and lots, or both real estate and personal property, or quantities of miscellaneous chattels, are placed in the class which is represented by the greatest apparent value. As for the time for which mortgages run, it is either a specified date at which the whole amount is payable, or successive dates at which partial amounts are payable. In the latter event the several terms and amounts are reduced to an equivalent single term for the whole amount.

All mortgages, notwithstanding their minor differences, are thus reduced to a common form admitting of tabulation. It is thereafter a merely mechanical process to aggregate them as to number and amounts, by classes and by years, for each county and the State.

But there is a further mathematical process of which these given factors are susceptible. The debts represented by these hundreds of thousands of mortgages are in fact for amounts ranging from \$1 to \$2,250,000, and are assumed for periods ranging from 30 days to 25 years, yet by a common arithmetical process they may all be reduced to their equivalents in a single amount running for a single period. To this end the average term, or equated time, for all the mortgages in each class, and for each year, and each county, has been computed separately, and subsequently tabulated, with collateral results, for each county and the State. This presents not only aggregates of numbers and of

amounts for each class and locality, but an average term, or period of duration, which, applied to the total, is equivalent to all the given terms of the integral amounts. A similar process develops an average rate of interest for the various totals, which, applied to the aggregates for counties or years, produces a total amount of interest equivalent to the sum of all the interest computed for the various amounts at the given rates. Thus is obtained for the total of indebtedness for each year an average term equivalent to all the actual terms, and an average rate of interest equivalent to all the actual rates as found upon the records.

These results constitute the body of facts established from a literal transcript of the records. They are: the details and aggregates of all mortgage debts assumed in this State, for each of three calendar years, being respectively ten and seven years apart; the details and aggregates of property incumbered, both real and personal; the actual and average terms, and the actual and average rates of interest, of the mortgages given.

This information has of itself definite and intrinsic value as the first contribution to the statistics of the subject, but it is believed to have a further value as affording the factors necessary to a closer calculation of the total of mortgages in force, at each of the given dates, than can be obtained in any other way.

The hypothesis on which such calculation is based is, that for a limited number of consecutive normal years the experience for the whole would probably be substantially uniform with that of any one of them. The application is, that if it is found that the term equivalent to all the recorded terms in a given year is, for instance, three years, then the total of mortgages for that year, multiplied by three, will give the presumptive total of all mortgages in force at any given time in that year. This implies only that the same general situation obtains in each of the three consecutive years, viz.: that the aggregate amounts are practically the same, and the average term the same. In that case the total in force would consist, first, of those mortgages assumed during the year and maturing in three years; also those written in the year preceding and maturing the year following; and finally those of two years, before maturing in the present. This is equally true

of any number, or fractional number, of years which may be found to be the actual average for any class of mortgages, and the rule is of uniform application to all periods.

There are, however, certain minor and modifying facts which are not admitted to consideration in this formula for obtaining the total indebtedness, for the reason that it is regarded as impossible to determine what the measure of their importance may be as affecting the general result. It is known that certain mortgages are discharged and cancelled before the expiration of the recorded term, and that others are extended beyond maturity. These two classes of cases may or may not offset each other. It is impossible to determine this, and it is consequently not attempted to modify the results, as computed from the actual records, in any degree, by speculations as to this factor. A wide and generic experience in loaning money might justify a fair presumption on the subject, but there is no foundation in it for statistics.

Mortgages may also be paid off in part, though the records do not show it; and doubtless are sometimes extended in part beyond maturity. Practically, however, those who wish to pay in installments provide by consecutive notes for doing so, and such various times and amounts are given their proper adjustment in the calculations for the average term. There are necessarily differences between the promise and the performance in transactions of this kind as well as in others, but these can not profitably be traced. For statistical purposes, masses of details such as this subject involves, must be treated as practically homogeneous, and minor irregularities as neutralizing themselves.

#### THE CONSIDERATION OF INTEREST.

Thus far attention has only been given to the principal amount secured by the mortgage, but that instrument equally demands and secures the payment of a certain sum as interest, and that sum is clearly entitled to consideration as a portion of the total indebtedness.

The amount payable as interest being governed by the rate as established, primarily, and, so far as the record is concerned, by the statute, but subordinately by the demand for and supply of money, modified again by the nature of the security offered, there is nec-

essarily great variation in this factor, even for limited terms; while for the widely separated periods under consideration the difference in the rate and relative amount of interest is very great. The deduction of an average rate, mathematically equivalent to the actual rates, for any given period is, however, but the application of a simple principle, though involving in this instance a vast amount of clerical labor. The result is a common rate of interest truly equivalent to all the recorded rates, and which applied to the gross principal sum of the mortgages in any class gives the total amount of interest paid or payable in any given time.

But, on the presumption that interest is paid when due, that only which is unaccrued properly stands as a part of the mortgage debt, and that which is unaccrued may be any portion of the whole according to the length of time which has elapsed since the debt was assumed,—those mortgages approaching maturity having less, and those recently incurred having more, and others having graduated amounts of interest properly chargeable to the principal. In this view of the case it has been considered equitable, for the purposes contemplated, to assume that as much interest has accrued and been paid on any large number of miscellaneous mortgages as remains unpaid; in other words, that a proper amount to be added to the principal for account of interest due is a half of the whole amount of interest computed for the average term at the average rate of interest. In order, therefore, to express the total debt half the interest is added to the given principal, and the tables following show both factors separately and combined.

The mode of reckoning the presumptive total, from the record data taken, is thus seen to consist, first and chiefly, in deriving a true average term for all mortgages within given periods and places, and in applying this term as a multiplier to the aggregates obtained. The potency of this multiplier in its effect upon the result, has rendered its calculation and verification a most delicate and laborious process, but it has in every instance been wrought out with the utmost care and fidelity, and with such allowance as could be made for every modifying condition. Collaterally the average rate of interest is found, and to the principal sum is added interest at the average rate for half the average term.

The results obtained as the aggregate of indebtedness can not for obvious reasons be actual, in the sense that the aggregates for

given years are actual; but they are true upon a legitimate hypothetical basis, and, the process being uniform, are relatively true of the various times and places considered. They are, in every sense, approximately true, and in no sense misleading. The basis of fact is clearly defined and authentic, and the process of deduction stated; if the conclusions are faulty, the same factors may be subjected to any other process promising better results, or they may be profitably studied independently of any combination.

### THE METHODS ADOPTED.

The accumulation of such a mass of information as is here contemplated, should, certainly, if the best results are expected, be undertaken only upon well-matured plans, submitted to the most competent agents for execution. It was not less essential in this case, that the ultimate cost should not exceed the resources of the bureau. Both considerations pointed to the county recorders themselves, as not only exceptionally qualified by their familiarity with the records and knowledge in many instances of auxiliary facts outside the record, but as also in a position to render the desired service at a minimum of cost.

Schedules were accordingly prepared for taking the three classes of mortgages and for the three periods, with necessary instructions, and eventually negotiations were consummated securing, in the great majority of cases, the co-operation and services of the county officials. When this was for any reason impossible, the examination and schedules were intrusted either to local experts in records, such as responsible abstractors or conveyancers, or to special agents of the bureau sent from place to place. In fifteen counties only was it impossible to enlist the services of local examiners; in the remaining eighty-seven counties the transcripts were made by those who had not only the face of the records, but personal knowledge of the character of many transactions to govern them in making their returns.

In every county save one the transcripts were made direct from the original entries in the books of record, and from a study of the terms and conditions of every instrument. In Cook county, however, this was impossible owing to the enormous bulk of the records, and the amount of time and money required to make a



thorough examination of them. The analysis of the Cook county records would, consequently, not have been undertaken, or would have been made a subsequent and special subject of inquiry, if it had not been found that there were files of certain law and real estate journals extant which contained what purported to be complete lists of all the mortgages recorded each day, and for a series of years.

Inquiry developed a strong presumption in favor of the substantial accuracy of these lists. They had been taken off each day as the instruments themselves were placed on record, and published as official information for business purposes, and there was no reason why they should not, and every reason why they should be what was claimed for them, literal transcripts of the record actually made each day.

By courtesy of the persons controlling them, access was obtained to complete files of the *Chicago Daily Law Bulletin* for the years 1887 and 1880. These contained, for the most part, the same set of details which in other counties were taken from the records, the principal exception being that for the year 1887 the mortgages for deferred payments on real estate were not indicated. In the files of 1880 this distinction was made to appear, and in every respect the lists of this year were found complete as to the items desired. It was impossible to procure any data as to 1870, because of the destruction of all records by fire in 1871; and as the two succeeding years were exceptional in every respect which influences the volume of mortgage business, attention was directed to the year 1875; not, however, as really a normal year, but only as less disturbed by the consequences of the great fire than the preceding years; and mainly for the purpose of obtaining statistics for three periods, in this county, as well as in others. As the journal referred to, however, had not begun to publish the records in 1875, recourse was had to the files of the *Real Estate and Building Journal*, which were found to contain the number and amounts of all mortgages recorded in that year and nearly all the details desired, concerning them, the items as to which they were in some measure deficient being the term and rate of interest.

The statistics of Cook county, it will thus be seen, are not compiled from original records, but from the sources indicated, and for the reasons given, and owing to this fact the schedules were

not uniformly filled. For the year 1887 the files fail to indicate mortgages made for purchase money; the separation on this line for this year is accordingly made arbitrarily to correspond with that in 1880 and 1875, for both which years the proportion of this class of mortgages is given. On the other hand the files for 1875, while otherwise full, failed to give, save for about ten per cent. of the whole, the term and rate of interest on mortgages for lots. The computation of those averages is consequently made from a part only, and applied to the whole number of mortgages in that class. For the year 1880 the files of the *Law Bulletin* from which the schedules were made, were full as to all desired details, but the total number and amounts for the year were found to be so much less than for either of the other years, that some uncertainty was felt as to the degree of confidence to be placed in them. Subsequent inquiry, however, led to the discovery of a volume containing the issues of the *Real Estate Journal* for the same year, and an examination of the lists of mortgages therein published showed totals substantially the same as those of the *Law Bulletin* for the same period. This was regarded as sufficient confirmation of the *prima facie* correctness of the files of both journals.

In four counties besides Cook, the public records have at various times been destroyed by fire, which in turn has correspondingly impaired the schedules from those counties; they are Cumberland, Hardin, LaSalle and Wayne. In LaSalle county, however, the loss was not recent, and it was only necessary to substitute the records of 1875 for those of 1870 which are now wanting. In the other three counties the only records available for this classification were those of 1887, which were taken. In order, however, to complete certain State tables for other years, the totals for 1887 have been carried into the tables for 1880 and 1870, though not without marginal explanation of their source and character.

In prosecuting this work the duty of the examiners employed by the bureau has been simply to transcribe, on blanks prepared for them, the facts as found upon the records; the examination and corrections of these returns, the analysis and classification of their contents, the reduction of the whole mass to order, and the tabulations, computations, verifications and deductions which enter into the results here given, constitute the work performed in the office of the bureau.

## CHAPTER II.

## ANALYSIS OF THE STATE TABLES.

The results of this investigation are presented in the following pages, first, in tables for the whole State, by counties; and subsequently in a series of tables giving the facts and deductions for each county separately. The State tables are arranged in groups for each of the three years, with a supplementary group of comparative tables. From these may be obtained the statistics, original and derived, of mortgages on lands, lots and chattels, for each of the respective periods for each county and the State, and in the comparative tables following, the relative indebtedness of counties at each period.

Special tables are also presented showing the percentage of total acreage in each county under mortgage, and the amount of incumbrance compared with the average value; also the number and distribution of building and loan association mortgages recorded in the State, and the number and distribution of mortgages executed to non-residents of the State.

For each of the three periods there are six general tables, showing consecutively and separately, for lands, lots and chattels, the exact data as transcribed from the county records, and the derived totals of existing indebtedness, principal and interest, with the average term and rate of interest, and the character and amount of property incumbered, in each county. These tables are supplemented by a tabular separation of all mortgages given for borrowed money from those given for part of purchase money, and

chattel mortgages are subjected to a special analysis on the basis of the kind of property pledged. From the specific details of these tables some of the leading summaries may be cited.

### MORTGAGES OF 1887.—TABLES I-VI.

Beginning at the point of greatest present interest, an examination of the tables for 1887 discloses the fact that there were executed and placed upon the mortgage records of 102 counties in Illinois during that year, a total of 125,923 mortgages, of which 25,334 were mortgages upon lands, 38,326, mortgages upon lots and 62,263, mortgages upon personal property. These mortgages were given to secure the gross sum of \$117,152,857; of this amount \$37,040,770 was secured by 2,178,532 acres of land; \$62,754,914 was secured by 65,066 lots and blocks, and \$17,357,173, by miscellaneous personal property. The average or equivalent term for which each class of mortgages was made, as deduced from the actual terms recorded, is found to be, for mortgages on lands 3.844+ years; on lots 3.807+years, and on chattels 14.32+months. The average rate of interest for each class is, for mortgages on lands 6.90+per cent.; on lots 6.51+per cent., and on chattels 7.82+per cent.

These are the facts as taken from the books of record and reduced to their totals and averages. The same tables, however, present the deductions made as to the presumptive total of mortgages in force, computed, upon the hypothesis stated, for each county and each class. The results reached by this process may be formulated for the State as follows:

#### TOTAL INDEBTEDNESS—1887.

CLASSES.	Whole number of mortgages.	WHOLE AMOUNTS.			Property Incumbered.
		Principal.	Interest.	Total.	
Lands .....	92,777	\$142,400,800	\$4,919,754	\$147,320,554	8,082,794 acres.
Lots .....	148,750	258,922,038	7,782,788	266,704,827	257,386 lots.
Chattels .....	74,740	20,780,779	1,623,408	22,404,187	.....
Totals .....	316,267	\$422,063,118	\$14,325,950	\$436,389,068	.....

In order to indicate at once the proportion of this gross incumbrance which rests upon the property of Chicago and the county in which it lies, and that which rests upon the property of the remainder of the State, a separation is made of the total of mortgages recorded in Cook county, from those elsewhere recorded, as follows:

CLASSES.	PLACES.	Whole number of mortgages.	WHOLE AMOUNTS.			Property incumbered.
			Principal.	Interest.	Total.	
Lands.....	Cook County.....	2,388	\$18,667,202	\$584,288	\$19,251,486	116,328 acres
	Outside Cook County.	90,369	123,738,098	4,385,471	128,068,569	7,966,566 "
Lots.....	Cook County.....	77,690	191,496,506	6,060,864	197,557,370	126,099 lots
	Outside Cook County.	65,060	47,426,538	1,731,924	49,147,457	111,287 "
Chattels...	Cook County.....	40,822	10,439,522	823,678	11,263,200	.....
	Outside Cook County.	33,918	10,291,267	799,780	11,090,987	.....
Totals...	Cook County.....	120,900	\$220,603,230	\$7,488,835	\$228,072,065	.....
	Outside Cook County.	189,367	181,449,888	6,857,125	188,307,013	.....

It thus appears that of the total registered indebtedness of the State somewhat more than half, or 54.8 per cent. is found in Cook county. The aggregate amount of mortgages on lots in this county is four times as much as all the other mortgages on lots in the State, and there are more chattel mortgages recorded in Cook county than in all the State besides; though the amount represented by them is very nearly the same in both instances. Of mortgages on lands, however, the amount in Cook county is only 13+per cent. of the whole, and this amount is on a still smaller percentage of the total number of acres, owing to the greater relative value of the lands.

From the tables showing the separation of mortgages given for loans from those given for part of purchase money the following results appear for the State at large:

CLASSES.	FOR LOANS.		FOR DEFERRED PAYMENTS.	
	Number.	Amounts.	Number.	Amounts.
Lands.....	79,109	\$122,123,728	13,664	\$25,196,326
Lots.....	92,685	171,935,592	50,066	74,769,235
Chattels.....	53,464	18,143,569	21,276	4,210,618
Totals.....	225,253	\$212,202,889	85,006	\$104,176,179

In brief the amount of all mortgages given for part of purchase money is found to be one-third of the amount given for loans,—the greater proportion of them being naturally found in mortgages placed on lots. These totals, however, being designed to show the aggregate indebtedness, include both the principal amount of the given mortgages, and the unaccrued interest, which is assumed to be the interest for half the given term. Omitting this element from the foregoing totals, and the following sums appear as representing the face of the given mortgages only:

CLASSES.	FOR LOANS.		FOR DEFERRED PAYMENTS.	
	Number.	Amounts.	Number.	Amounts.
Lands.....	79,109	\$118,045,581	13,668	\$24,354,769
Lots.....	92,685	166,511,025	50,085	72,411,014
Chattels.....	53,464	16,826,346	21,276	3,904,433
Totals.....	225,258	\$301,382,952	85,029	\$100,670,216

But in this respect as in others the mortgages of Cook county present so many points of difference from those of the remainder of the State, that in order better to observe the influence of urban conditions, a separation is also here made of the totals for loans and for deferred payments in Cook county and outside of it:

CLASSES.	PLACES.	FOR LOANS.		FOR DEFERRED PAYMENTS.	
		Number	Amounts.	Number.	Amounts.
Lands.....	Cook County.....	2,007	\$14,933,762	381	\$3,733,440
	Outside Cook County....	77,102	103,111,769	13,287	20,621,329
Lots.....	Cook County.....	54,654	128,834,706	23,086	52,661,439
	Outside Cook County....	38,031	27,676,319	27,029	19,749,575
Chattels...	Cook County.....	24,822	8,456,013	16,000	1,983,509
	Outside Cook County....	28,642	8,370,333	5,276	1,920,924
Totals...	Cook County.....	81,483	\$162,224,842	39,417	\$58,378,388
	Outside Cook County....	143,775	139,158,060	45,592	42,291,823

Some noticeable features of this analysis are, that, in the case of lands, the proportion of indebtedness on account of deferred payments is somewhat greater in Cook county, while in the case of lots much the greater portion of deferred payment mortgages is outside of Cook county. In regard to chattel mortgages, the amounts involved are about equal, but the number given for part

of purchase money is three times as great in Cook county as in all the State besides. The totals show that deferred payment mortgages in Cook county are 36 per cent. and outside of Cook county 30 per cent. of the amounts of mortgages for loans.

#### MORTGAGES ON LANDS, 1887.—TABLE I.

The term "lands" in this connection embraces all acre-tracts of land as distinguished from town lots, blocks and subdivisions, and is consequently, in general, equivalent to farm lands. The exception is that in the vicinity of large cities, notably Chicago, certain lands are held for speculation rather than cultivation, and possess a value as suburban property which practically takes them out of the class of farm lands, though they necessarily appear in that category here. The number of acres of this kind is relatively small, but their value as security and the consequent incumbrance upon them is relatively great.

For this reason the summaries obtained for mortgages on lands in Cook county, including Chicago and its environs, both in their number and amounts, are exceptional in character, and in no true sense indicative of the amount of farm mortgages in that county. The degree of influence exerted by the suburban lands upon the totals for all lands in Cook county, is shown by the fact that in the State outside of Cook county the average incumbrance on lands actually mortgaged is \$15.53 per acre, while in Cook county the average incumbrance is \$165.64 per acre. In any attempt, therefore, to arrive at the measure of the mortgage indebtedness on the farm lands of the State, the statistics of land mortgages in Cook county should clearly be omitted, as a disturbing element in the calculation; and, to obtain still greater accuracy in the result, some allowance should doubtless also be made for the acres, not in farms, adjacent to other cities and towns. But as there is no way of ascertaining the number of these, and as from the nature of the case it must be exceedingly small in comparison with the total of acres, no attempt is made to eliminate other suburban acres than those of Cook county.

The statistics of acres incumbered, as found in subsequent tables, may be reduced to the following abstract:

	Mortgages.	Amounts.	Acres.
THE STATE .....	92,777	\$142,400,300	8,082,794
Cook county.....	2,388	18,667,202	116,228
Outside Cook county.....	90,389	123,733,098	7,966,566
For deferred payments...	13,287	20,621,329	1,001,726
For loans.....	77,102	103,111,769	6,964,840

The total number of acres of land reported to the State Auditor in 1887 as having been assessed for purposes of taxation was 34,575,903, of which 494,723 were in Cook county, leaving 34,081,180 acres as the total embraced in the remaining counties of the State. This is exclusive of the area occupied by cities, towns and villages, the distinction between lands and lots in the assessment schedules corresponding with that in the mortgage schedules.

The total acreage thus shown is somewhat more than four times the acreage under mortgage—the latter being 23+ per cent. of the whole, but the number of acres mortgaged for loans only, outside of Cook county, is 20+ per cent. of the total acres in the same territory, which acres more nearly conform to the total of farm lands.

As to the aggregate value of these lands, it is notorious that the valuation returned by the township assessors is neither the cash value, nor any uniform percentage either of the cash or nominal value. It is rather an arbitrary and capricious undervaluation, intended to obscure rather than declare the facts, and in this entirely successful. Whatever other purpose the assessed valuation may serve, it affords no true index to real values either of land or personal property in this State, and can not properly be used as a basis of computation or comparison. In taking the last census, however, an attempt was made to aggregate the values of all farms, improvements and products for all States, for the one year 1879-80; and this, though now somewhat out of date, is the only record approximating an authentic statement of the value of farm lands and their products in this State.

The census aggregate for the value of farms, including lands, fences and buildings, for Illinois is \$1,009,594,580, and for the State exclusive of Cook county \$979,703,337. The aggregate mortgage indebtedness on substantially the same property is now \$123,733,098, of which \$103,111,769 is for borrowed money, and \$20,621,329 is for deferred payments of purchase money.



Stated concisely, the sum of all mortgages on lands, including those in Cook county, is equivalent to 14.1 per cent. of the total value of all lands as reported for the census in 1880; the sum of all mortgages on lands outside of Cook county, is equivalent to 12.6 per cent. of the value of the land, and the sum of all mortgages given for loans only is equivalent to 10.5 per cent. of that value. This last class of mortgages, which practically represents the farm mortgages of Illinois, is thus seen to cover 20+ per cent. of the total acreage, and to secure a gross amount equivalent to 10.5 per cent. of the total value of that acreage as reported in 1880.

Another point of view from which to obtain a proper conception of the relative magnitude of this mortgage debt is obtained from the census estimate of the home value of the farm products of Illinois for the one year 1879. The aggregate for this item, not including the products of Cook county, is \$200,280,164; in other words, the total value of farm products, on the farm, for one year, as indicated by the products of 1879, is 61.8 per cent. greater than the total of mortgage indebtedness on all lands. But this is the product of a total of 26,115,154 acres, while the debt rests upon 7,966,566 acres, the proportionate annual revenue from which would be \$61,077,006, or one-half the mortgage debt resting on the acres actually incumbered. A final consideration in this connection is that in addition to the agricultural products of the surface there are mineral products equally from the land, though from below the surface. The value of the coal mined in this State in 1887 was \$11,152,596, at the mine, and, as many of the mortgages on lands are made by the coal companies, this item should be added to the surface revenues of the land to complete the comparison with the debt on the surface, making a total annual income of \$72,229,602 as an offset to a total debt of \$123,733,098, running for an average term of 3.844+ years and bearing interest at the average rate of 6.9+ per cent.

The following are the counties, exclusive of Cook, which show the greatest amounts of land mortgages in force, the same being those which have two millions or more of incumbrance on lands. In the same connection is shown the whole number of acres in each county, the aggregate value of the same, and the value of products derived therefrom in 1879:

Counties.	Amounts of Mortgages.	Acres in the county.	Valuation.	Annual product.
Livingston.....	\$4,824,742	655,312	\$19,264,892	\$4,506,524
LaSalle.....	4,132,183	710,280	30,894,423	5,223,508
Peoria.....	3,523,987	390,854	18,384,849	2,332,841
Iroquois.....	3,514,359	704,016	16,644,298	3,863,780
Sangamon.....	3,199,689	559,750	21,604,244	3,850,187
Champaign.....	3,062,770	636,275	18,364,722	4,290,422
Bureau.....	3,044,381	545,960	24,344,725	3,978,662
McLean.....	2,964,151	739,133	23,589,531	5,267,795
Will.....	2,811,762	525,929	20,669,358	3,313,441
Kane.....	2,729,848	820,916	15,987,797	2,770,000
Henry.....	2,629,356	515,427	21,074,766	3,806,470
Knox.....	2,553,858	448,484	16,828,026	2,676,668
Vermillion.....	2,529,816	564,183	15,702,103	3,359,885
Whiteside.....	2,499,457	417,501	14,911,566	2,692,635
Kankakee.....	2,328,335	420,344	10,346,321	2,232,860
Fulton.....	2,266,489	556,382	16,461,781	3,000,180
Ogle.....	2,217,821	479,202	19,332,130	3,542,419
Lee.....	2,184,977	477,226	17,368,069	3,038,171
Tazewell.....	2,145,521	411,381	14,442,387	2,671,874
Logan.....	3,129,252	890,744	18,765,682	2,728,895
Stephenson.....	2,046,681	354,600	15,258,019	2,498,486
Totals .....	\$59,308,836	10,807,767	\$382,091,637	\$71,666,790

These twenty-one counties, while incumbered with the greatest amount of mortgage debt, at the same time possess, with few exceptions, the greatest wealth in agricultural lands. The general deduction from this grouping is that the counties enumerated, constituting 20 per cent. of the whole number, contain 31 per cent. of the total acres, represent 33 per cent. of the total value, and sustain 41 per cent. of all the mortgage debt of the State.

There are other counties, however, of the first class in wealth and magnitude, which do not appear in the list of counties having correspondingly great indebtedness. Notable among these are:

Counties.	Mortgages.	Acres.	Valuation.	Annual product.
St. Clair.....	\$1,177,381	413,717	\$19,518,076	\$4,002,385
Pike.....	1,013,235	510,034	14,551,712	3,452,726
Macoupin.....	1,219,562	536,827	15,492,674	3,610,616
Adams.....	1,500,599	527,584	17,596,477	3,294,250
Morgan.....	1,506,497	353,352	14,836,618	2,189,220

The counties in which the least indebtedness on lands is found are those in the southern extremity of the State, and naturally those in which agricultural lands are of the least value. There are thirteen counties in each of which the total of mortgages in force is less than \$200,000, and they appear in the following order:

Counties.	Mortgages.	Acres.	Valuation.	Annual product.
Hardin.....	\$15,296	108,716	\$585,790	\$106,012
Pope.....	81,186	231,394	1,580,840	676,927
Massac.....	87,818	145,174	1,296,135	456,132
Alexander.....	68,823	118,960	968,535	334,348
Pulaski.....	74,080	108,746	1,102,815	310,940
Franklin.....	101,792	253,521	2,662,764	868,108
Johnson.....	107,417	206,788	1,567,461	479,307
Saline.....	158,425	236,100	1,949,390	591,418
Edward.....	155,196	139,944	2,219,201	654,478
Wabash.....	168,864	137,515	2,504,268	766,896
Williamson.....	171,015	264,874	2,444,368	744,858
Calhoun.....	197,896	163,599	2,235,970	544,979
Richland.....	198,530	224,101	4,150,702	765,334
Totals.....	\$1,541,687	2,886,432	\$25,228,284	\$7,878,527

In this group of counties there are 2,336,432 acres of land, and an average mortgage indebtedness of 66 cents per acre, while in the first group there are 10,807,767 acres with an average incumbrance of \$5.48 per acre. The difference in the reported value of the land in the two sections is not so great as this, but there is reason for believing that the census estimate of the values for 1880 would be too high for the present value of the land in many of the southern counties.

In the first group the number of acres actually mortgaged is 30 per cent. of the entire acreage; in the last group the number of acres mortgaged is only 11 per cent. of all the acres.

#### MORTGAGES ON LOTS, 1887.—TABLE II.

Of the total number of mortgages executed and recorded in Illinois in 1887, there were 33,326, or 30 per cent. of the whole, given on lots, as distinguished from acres; and the amount for which they were given was \$62,754,914, or 53 per cent. of the aggregate of all mortgages for that year. The average term for which these mortgages were made was 3.807+ years, and the average rate of interest for the whole number was 6.51+ per cent. These figures, upon the assumed theorem, indicate a total in force of 142,750 mortgages, for the gross sum of \$238,922,039. As compared with mortgages on lands, it appears that the mortgages on lots were 54 per cent. more in number, and 68 per cent. more in amount.

The county of Cook being the seat of Chicago and its environs, necessarily dominates all other counties and the State itself in the

number and amount of mortgages in this class, and the relation which this county sustains to the remainder of the State in this respect is shown by the following summaries:

Location.	Number.	Amounts.	Lots.
In Cook County.....	77,690	\$191,436,506	128,099
Outside of Cook County.....	65,060	47,425,533	111,237
Totals.....	142,750	\$238,922,039	237,336

In brief, though the number is not greatly in excess, the aggregate amount of mortgages on lots in Cook county is more than four times that of all other mortgages on lots in the State. The counties which rank next in order after Cook are those in which the following cities are located: Peoria, Joliet, Aurora, Danville, Springfield, Bloomington, Rock Island, Belleville, Rockford, Ottawa, Decatur, Quincy, Alton and Freeport.

The deferred payment mortgages on lots constitute 30.3 per cent. of the total in the State, 27.53 per cent. of the total in Cook county, and 41.64 per cent. of those outside of Cook county.

The mortgages on lots for loans, only, omitting interest, aggregate \$166,511,025, of which \$138,834,706, or 83 per cent., is in Cook county; the mortgages for deferred payments aggregate \$72,411,014, of which \$52,661,439, or 72 per cent., is in Cook county.

The influence of this county is especially noticeable in the average rate of interest deduced for this class of mortgages. For the whole State the average is found to be 6.515+ per cent.; but omitting Cook county, it is 7.262+ per cent. In Cook county the interest rate ranges from 2 to 10 per cent.—\$50,000 being found in one loan at the former rate, and \$51,231 being found in 11 mortgages bearing 10 per cent. Over \$15,000,000 are loaned at 5 per cent., and the general average rate is 6½ per cent.

Two Cook county mortgages, nominally on lots, have been omitted from the tables and computations, as exceptional; one of these was for the sum of \$10,000,000, running for 50 years and bearing 5 per cent. interest, given by a street car syndicate, and the other for \$2,000,000, running 20 years and bearing 4½ per cent. interest, given by a syndicate of gas companies, and each covering all the property and franchises of the respective mortgageors.

## BUILDING ASSOCIATION MORTGAGES.—TABLE XXII.

The Building and Loan Associations of the State placed on record during the year 6,733 mortgages for the gross sum of \$7,262,446 and covering 9,456 lots and 6,359 acres of land. Of this total business, 2,067 mortgages for \$4,050,213 on 2,713 lots and 4 acres were executed in Cook county. The whole number of associations which appear upon the records of the State as having loaned money in 1887 is 348, of which number 99 were found on the records of Cook county. The number thus found is regarded as small, considering that there have been organized and chartered by the Secretary of State since the passage of the present law in 1879 and up to and including the year 1887 a total of 494 associations, of which 259 have been located in Cook county. In addition to this number, 252 were chartered prior to 1879 under a law which was finally pronounced defective by the courts. There is no public record, however, of the number which have actually proceeded to do business under their charters, nor of the number which have failed, suspended or otherwise closed up their affairs; in other words, no means of knowing, save by the mortgage records, how many of these associations are now in active operation. It is usually supposed that few, if any, of those organized prior to 1879 are still in business, yet 23 of the list found on the records of 1887 were organized prior to that date, and one in 1872. This leaves 325 associations organized since 1879, recorded as doing business in 1887, of which number 229 are outside of Cook county and 96 in that county. This accounts for all of the societies chartered outside of Cook county since 1879 except three, but accounts for less than half of those organized in Cook county. There would seem to be no explanation for this except that a great many charters have been taken out in that county which have not been used, which, it must be admitted, is not fully satisfactory. It is not to be supposed that active associations would fail for an entire year to appear upon the mortgage records of the county in which they are organized, and the presumption is that the real number in active existence in 1887 is indicated by the number which placed mortgages on record during that year.

The number of associations organized since July 1, 1879, has steadily increased each year in the following ratio:

LOCATION.	NUMBER OF ASSOCIATIONS ORGANIZED.									
	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	Totals.
In Cook county.....	3	7	11	25	30	34	37	54	58	269
Outside of Cook county.....	3	8	11	23	44	31	28	30	57	235
Totals.....	6	15	22	48	74	65	65	84	115	494

The number organized in 1888 is still greater, being 57 in other counties than Cook, and 77 in that county, or 134 in all. This makes a total of 628 of these co-operative building societies organized under the present law, and between July 1, 1879, and January 1, 1889, more than one-half of which came into existence during the last three of these years.

The term within which the mortgages held by associations of this kind ordinarily matures, ranges from 5 to 10 years, and if the number of societies in business, and the amount of business done, had been substantially uniform for the longer period, a mean between these extremes might with propriety be assumed as an average term for the total of mortgages. In fact, however, much the greater number of associations in business in 1887 were of recent origin, as appears from the table above, and it becomes necessary, in order to make even an approximate estimate of the total of these mortgages in force in 1887, to take into consideration the respective dates of organization as well as the reported duration of the several series.

A calculation based upon the length of time for which the several associations in each county have been doing business, and upon the terms reported, develops a fairly presumptive average term for all the building association mortgages on record in each county. The county averages thus found range from 1 to 8 years, and afford an average for the State of 3.8 years. Applying the averages found as multipliers to the amounts actually recorded in each county in 1887, the results indicate a total of mortgages of this class in force at that time in the State of 27,128, for the gross sum of \$27,601,082, and secured by 38,051 lots and 24,147 acres of land. The proportion of these recorded in Cook county is 6,724 mortgages for \$13,175,343, covering 8,825 lots and 13 acres, or 24 per cent. of the whole number, and 48 per cent. of the whole amount.

There is, however, so much uncertainty about several features of this calculation that the conclusions must be accepted as conjectural rather than demonstrable.

The distribution of building association business among the principal cities of the State is in the following proportions:

Chicago.....	\$13, 175, 343	Rockford.....	\$598, 081
Danville.....	1, 366, 663	Beardstown.....	550, 614
Springfield.....	1, 229, 367	Rock Island.....	510, 790
Joliet.....	1, 085, 250	LaSalle.....	406, 609
Aurora.....	918, 970	Shelbyville.....	404, 564
Peoria.....	824, 040	Jacksonville.....	389, 150

The foremost observation in this connection is the recent remarkable increase in the number of these co-operative enterprises. All the records of the State in 1880 contain only 497 mortgages given to building associations, while in the records of 1887 there are found 6,733 such mortgages, or more than thirteen times as many; the gross amount represented by those of 1880 was \$371,355, and by those of 1887, \$7,262,446, or nearly twenty times as much. The number of associations chartered by the Secretary of State in 1880 was 15, while for the year last past the number was 134.

Assuming the total number now in operation to be those appearing on the mortgage records of 1887 and those which have since then been organized, there would be 482 building and loan associations now doing business in this State. Statistics taken on the subject in New Jersey show that the average number of stockholders in 156 associations was 243 to each, of whom 70 per cent. were living upon the wages of labor. Applied to the associations of Illinois, these deductions would give a total of 117,126 persons as contributing to the maintenance of these enterprises, and sharing alike the risks and rewards which they offer.

#### CHATTEL MORTGAGES, 1887.—TABLE III.

The total number of chattel mortgages executed in the State during the year of 1887 was 62,263, for the aggregate sum of \$17,357,173. The various periods for which they were given are reducible to an average term of 14.322+months. The totals for one year increased by this excess over one year give as the presumptive total number of existing chattel mortgages 74,740, and the

total amount as \$20,730,779. Of these totals 40,822 mortgages for \$10,439,522, or in round numbers one-half of the whole, are found in Cook county. The average rate of interest, deduced from the various given rates, for the whole sum is .07825, and the aggregate interest, so far as it appears upon the face of the instruments, would be \$1,623,408 per annum.

The proportion of chattel mortgages given for part of purchase money is 28.3 per cent. of the total amount. Chattel mortgages for loans only are about equal in number and amount in Cook county and in the remainder of the State; but there are more than three times as many deferred payment chattel mortgages in Cook county as in all the State besides.

The chattel mortgages of each county are classified in subsequent tables, according to the character of the property involved, into eight groups, and the following number and amounts are found in each group for the State at large.

Property.	Number.	Amounts.
Livestock and farm implements.....	25,492	\$7,069,602
Household goods and wearing apparel .....	24,415	3,757,823
Merchandise and fixtures .....	3,284	2,424,350
Machinery and tools.....	2,074	2,018,345
Growing crops.....	2,073	549,572
Garnered crops.....	410	226,239
Pianos, organs and sewing machines.....	2,890	371,667
Miscellaneous.....	1,625	899,522
Totals.....	62,268	\$17,357,176

The first of these classes embraces, in addition to what clearly comes under that head, horses and wagons and vehicles of all kinds; also traction engines and other power machinery used in farm processes; while the class, machinery and tools, refers more especially to fixed machinery in shops and elsewhere. Pianos, organs and sewing machines are regarded as household goods when included with them in a common mortgage, and only classified as such when mortgaged separately. This class consequently consists almost exclusively of mortgages given to merchants for part of purchase money. The mortgages for garnered crops include only such as are given by farmers or producers; grain in elevators or corn in the cribs of shippers is classified as merchandise. Of the totals of mortgages on live stock and farm implements 90 per cent. is found outside of Cook county; but of the mortgages on household goods and



wearing apparel 91.6 per cent. is found within Cook county, and this is the only county in which any mortgages at all are found on wearing apparel. Of the other classes 73.4 per cent. of all mortgages on merchandise and fixtures is recorded in Cook county; also 61.5 per cent. of mortgages on machinery and tools and 71.9 per cent. of mortgages on pianos, organs and sewing machines.

On the other hand, all mortgages on growing and garnered crops, save four, are recorded in other counties than Cook.

The following figures show the proportion of each class of chattel mortgages in Cook and other counties:

Property.	Place.	Number.	Amounts.
Live stock and farm implements	Cook county.....	2,488	\$781,298
	Other counties.....	23,059	6,806,809
Household goods and wearing apparel.....	Cook county.....	22,839	3,448,411
	Other counties.....	1,576	814,417
Merchandise and fixtures.....	Cook county.....	2,187	1,786,896
	Other counties.....	1,097	648,464
Machinery and tools.....	Cook county.....	759	1,248,089
	Other counties.....	1,315	775,256
Growing crops.....	Cook county.....	4	1,290
	Other counties.....	2,069	548,292
Garnered crops.....	Cook county.....		
	Other counties.....	410	236,289
Pianos, organs and sewing machines.....	Cook county.....	2,104	937,856
	Other counties.....	788	104,311
Miscellaneous.....	Cook county.....	464	351,608
	Other counties.....	1,161	547,919
Totals.....	Cook county.....	30,790	\$7,873,938
	Other counties.....	31,473	9,483,347
The State.....		62,263	\$17,357,175

In Cook county there were found 124 mortgages for \$15,105 on wearing apparel, in amounts ranging from \$10 to \$950.

The 22,839 mortgages on household goods and wearing apparel recorded in Cook county in 1887, analyzed according to the amounts represented in the several instruments, present the following results as to the relative amounts for which mortgages of this class were given:

For am'ts ranging from	\$1 to \$10..	84 mtgs.	For am'ts ranging from	\$350 to	\$400..	343 mtgs
"	10 to 15..	53 "	"	400 to	450..	219 "
"	15 to 20..	146 "	"	450 to	500..	174 "
"	20 to 25..	622 "	"	500 to	600..	290 "
"	25 to 30..	891 "	"	600 to	700..	187 "
"	30 to 40..	2,641 "	"	700 to	800..	98 "
"	40 to 50..	2,488 "	"	800 to	900..	89 "
"	50 to 75..	4,611 "	"	900 to	1,000..	88 "
"	75 to 100..	2,823 "	"	1,000 to	2,000..	288 "
"	100 to 150..	2,692 "	"	2,000 to	3,000..	58 "
"	150 to 200..	1,762 "	"	3,000 to	4,000..	25 "
"	200 to 250..	1,145 "	"	4,000 to	5,000..	12 "
"	250 to 300..	642 "	Over \$5,000.....			22 "
"	300 to 350..	530 "				
				Total mortgages.....		22,839

One-half of the whole number, or 11,381, are thus found to be for amounts less than \$75; 30 per cent. of the whole, or 6,770 mortgages, for less than \$50; while 855 mortgages, or 4 per cent., are for less than \$25 each, and 34 were given for amounts less than \$10,—one of these, and the smallest in the State, being a deferred payment mortgage for \$1 for one month.

#### MORTGAGES TO NON-RESIDENTS.—TABLES XXIII AND XXIV.

A special distinction noted in this investigation is that between mortgages executed to residents and non-residents of the State. It is recognized that the mortgages executed to non-residents do not constitute all the mortgages held by that class, nor represent the total of foreign capital loaned to the people of this State. On the contrary, mortgages made to resident money lenders may be and frequently are transferred to capitalists or companies of other States, and such transactions do not appear on the records. It is consequently impossible to determine or declare with any degree of accuracy what the whole amount of foreign capital invested in Illinois mortgages may be, though all of it for which mortgages have been given direct to non-resident holders may readily be derived from an examination of the records. How much should be added to this amount for mortgages transferred by local mortgagees to outside parties must be a matter of individual opinion.

The fact is that mortgages are found on the records of this State executed to residents of thirty-five States, besides Illinois, the District of Columbia and six Territories in this country; and to residents of England, Ireland, Scotland, France, Germany, Switzerland, Turkey, Nova Scotia, New Brunswick, Canada, Cuba and Mexico. Yet all these mortgages together constitute only 7 per cent. of the total number, and 11 per cent. of the total amount of the mortgages made by the people of this State. The amount of foreign loans made in 1870 is found to have been greater than either in 1880 or 1887, though the amount in the latter year is greater also than that of 1880. Expressed in per centages the amount of foreign mortgages recorded in 1870 was 81 per cent. more than was recorded in 1880, and the amount recorded in 1887 was 55 per cent. more than that of 1880; but the amount in 1870 was also 17.5 per cent., representing \$7,308,027, more than in 1887.

From the greater number of the states and countries mentioned the amounts loaned in this State are trifling, but from the States of Connecticut, New York and Wisconsin the amounts aggregate 61 per cent. of the total. Next to these States, the greatest amounts come to this State for investment from Vermont, Pennsylvania, Massachusetts, Missouri, Ohio, Indiana, New Jersey, Michigan, Maine and Iowa in the order given. The relative amounts from these several States, invested here, appear as follows:

States.	Number of mortgages.	Amounts.	Acres.	Lots.
Connecticut.....	3,152	\$9,930,683	361,522	563
New York.....	4,089	8,412,683	378,784	673
Wisconsin.....	734	7,198,613	60,675	881
Vermont.....	273	2,463,463	23,659	202
Pennsylvania.....	582	1,946,560	46,223	475
Massachusetts.....	462	1,793,171	36,796	215
Missouri.....	1,117	1,754,845	99,186	739
Ohio.....	660	994,309	49,384	347
Indiana.....	642	895,577	51,297	580
New Jersey.....	479	807,176	52,723	123
Michigan.....	383	668,322	29,779	149
Maine.....	229	516,154	18,616	44
Iowa.....	435	587,391	31,063	317

These amounts constitute 90 per cent. of the aggregate of all mortgages executed to non-residents. The amounts from all foreign countries are small,—that from France, \$225,527, being the largest; and that from England \$103,443, being next. Analyzed geographically, it is found that of the totals represented here, over 10 millions, or 28 per cent. of the whole comes from the border States, Wisconsin, Indiana, Missouri and Iowa. The greater portion of this comes from Wisconsin, and from the funds of a life insurance company in that State, and it is for the most part placed on Chicago property. Missouri takes rank next after Wisconsin in this respect and Missouri money is for the most part placed on lands, the number of acres so incumbered being 99,186.

The average term for which mortgages to non-residents are given is 4.396+ years, this being a materially longer term than that for other mortgages. The aggregates of foreign mortgages in force, computed from the amounts recorded in 1887 with the average term of the same as a multiplier, are 14,976 mortgages for the total sum of \$41,754,557 and secured by 1,417,791 acres of land and 6,269 lots. Of this amount \$18,289,681 is placed in Cook county, and the remainder is distributed throughout the State, more or less of it being found in every other county save one.

The following is a list of the twenty counties which have the largest amounts of mortgages on real estate in the hands of non-residents. The total of all real estate mortgages is given in connection with the total of foreign mortgages to show the relative amounts of each:

Counties.	Foreign mortgages.	Total mortgages.	Counties.	Foreign mortgages.	Total mortgages.
Champaign.....	\$1,435,960	\$3,558,769	Vermillion.....	\$349,922	\$4,750,572
Livingston.....	1,076,316	5,319,122	Coles.....	681,365	1,353,036
Douglas.....	901,877	1,704,225	Henry.....	600,128	8,020,886
Iroquois.....	898,684	3,724,851	Mason.....	544,326	1,087,504
Will.....	880,457	6,147,648	Moultrie.....	504,234	1,101,115
LaSalle.....	866,764	5,709,985	Lee.....	492,187	2,464,955
McLean.....	852,919	4,967,863	Kankakee.....	473,186	2,388,945
Platt.....	773,378	1,667,039	DeWitt.....	441,660	1,380,301
Rock Island.....	741,578	3,177,970	Peoria.....	437,347	7,688,839
Logan.....	671,537	2,679,698	Ford.....	434,131	2,002,372

## MORTGAGES OF 1870 AND 1880.

### TABLES VII-XVII.

The statistics of mortgages taken from the records of 1870 and 1880, respectively, are uniform with those taken for 1887, and the tables for the three years correspond in every particular. The statistics of 1880 are embraced in Tables VII-XII, inclusive; those of 1870 in Tables XIII-XVII, inclusive, and succeeding these is a series of comparative tables showing the figures for each of the three years in juxtaposition.

The most noticeable fact developed by this examination of the records for the three periods is that the amount of mortgage indebtedness incurred in 1880 was materially less than that of either 1870 or 1887, although the number of mortgages for the two former years was nearly the same. The totals as summarized for mortgages of all classes for the three years are these:

Years.	Number.	Amounts.
1870.....	175,062	\$304,433,760
1880.....	180,790	196,656,074
1887.....	310,267	402,063,118

A further scrutiny of the tables, however, shows that the falling off in recorded mortgages for 1880 was largely in Cook county. Eliminating the returns of this county from the totals given and the facts for the remainder of the State appear in the summaries following:

Years.	Number.	Amounts.
1870.....	108,618	\$125,381,460
1880.....	186,515	132,499,820
1887.....	189,367	181,449,888

This shows for the aggregate of all mortgages outside of Cook county an increase in amount of 5.7 per cent. between 1870 and 1880, and an increase in amount of 37 per cent. between 1880 and 1887. Analyzing these figures somewhat further it is found that the relative amounts of land mortgages outside of Cook county, or in other words the mortgages on farms, have increased during the period under consideration as follows:

	Years.	Number.	Amounts.
Lands.....	1870.....	68,377	\$95,721,008
	1880.....	80,759	103,525,237
	1887.....	90,899	123,738,098

That is to say, the increase in amount during the first interval was 8.2 per cent., and in the last 19 per cent.; but the increase in the *number* of mortgages, and consequently in the number of persons involved, was during the first interval, 22 per cent. and during the last 12 per cent.

The most marked instance of decline is found in 1880, in mortgages on lots, in Cook county. The number and amount of mortgages of this class recorded in Cook county in 1880 was less than half the amount recorded in 1875, while in 1887 the number recorded was more than three times that of 1880, and the gross amount was correspondingly increased.

The increase in the number of chattel mortgages outside of Cook county from 1870 to 1880 was 38 per cent., and from 1880 to 1887 the increase was 31 per cent.; in amount there was little change from 1870 to 1880, but an increase of 34 per cent. in 1887. In

Cook county there was a marked falling off in the amount of chattel mortgages in 1880, followed by an equally marked increase in the amount for 1887.

Comparisons of the totals for 1870 with those of subsequent years should be made with knowledge of the fact that the figures in the tables of 1870 for Cook county and for LaSalle county are really those derived from the records of 1875. The necessity for this arrangement arises from the fact that in both these counties the records for 1870 have been destroyed by fire. In Cumberland, Hardin and Wayne counties, also, the public records have been similarly destroyed, and in these instances neither the facts for 1870 nor for 1880 are extant. In order to perfect the State tables for these two years the figures for 1887 have been arbitrarily used in both. No significance therefore attaches to them as indicating the relative situation in those counties.

An examination of the tables will show a great diversity among counties as to the relative amounts of mortgage indebtedness in different years. The foregoing figures relate only to the facts within and without Cook county. The remaining counties, however, present contrasts and differences in the matter of mortgage incumbrance as great as the variety in their character and resources. In the matter of mortgages on lands, twenty-four counties show less incumbrance in 1880 than 1870, among which are Carroll, Champaign, DeWitt, Ford, Iroquois, Kendall, LaSalle, Livingston, Logan, Macon, Mason, McLean, Ogle, Piatt, St. Clair and Vermilion. Thirty-seven counties show less incumbrance on lands in 1887 than in one or the other of the former years, among which are Boone, Bureau, Christian, DeKalb, DuPage, Ford, Kankakee, LaSalle, Lee, Macon, Macoupin, Madison, Marion, McHenry, McLean, Montgomery, Ogle, Perry, Piatt, Pike, Rock Island, Stark and Winnebago. Some of the counties which show the greatest increase of land mortgages in 1887 are Carroll, Cass, Clay, Coles, Cook, Fulton, Hancock, Iroquois, Kane, Livingston, Logan, Menard, Mercer, Morgan, Moultrie, Peoria, Putnam, Saline, Sangamon, Schuyler, Scott, Shelby, Tazewell, Vermilion and Whiteside.

Referring to the tables showing the relative indebtedness for loans and for deferred payments, in the years prior to 1887, and deducting the interest item from those tables, the following facts

appear in regard to the number and amounts of mortgages on lands exclusive of those in Cook county.

MORTGAGES ON LANDS.	FOR LOANS.		DEFERRED PAYMENTS.	
	Number.	Amounts.	Number.	Amounts.
1870.....	51,011	\$69,110,556	15,366	\$26,610,438
1880.....	68,148	\$83,855,442	13,967	19,669,795
1887.....	77,102	103,111,769	13,287	20,621,329

In brief the amount of the deferred payment mortgages in 1870 was equivalent to 38.5 per cent., in 1880 to 23.4 per cent., and in 1887 to 20 per cent. of the respective amounts in those years for loans.

The comparisons made between the census valuations of 1880 and the total incumbrance on lands for 1887 may be made with greater force for the indebtedness of 1880, the year for which the census estimates were made. The aggregate valuation of farms outside of Cook county as reported to the Census Bureau in 1880, was \$979,703,337; the aggregate mortgage indebtedness on substantially the same lands, for borrowed money, at the same time, was \$83,855,442, or 8.56 per cent. of the total value. As compared with this value, the corresponding debt of 1887 was found to be 10.52 per cent. of it.

The increase in mortgage indebtedness on lands for loans was, from \$69,110,556 in 1870 to \$83,855,442 in 1880, or 21 + per cent; from 1880 to 1887 the increase was from \$83,855,442 to \$103,111,769, or 23 + per cent.

As to the relative value of lands in Illinois in 1880 and 1887 there are no statistics, but many and diverse opinions. There is also, doubtless, a great diversity as to the facts in different portions of the State, so that what is true in one latitude may be far from true in another.

In the absence of exact facts on the subject, some effort has been made to obtain the judgment of persons qualified to have intelligent information in such matters, with the view merely of affording such light on the probable facts as may be derived from a consensus of opinion. To this end inquiry has been made in all parts of the State, among those familiar with real estate trans-

actions and the loaning of money on farms, for local estimates of land values for the two dates. From these sources such estimates have been received from sixty-one counties, very evenly distributed geographically over the State, and containing, collectively, 20,828,874 acres, or about two-thirds of the total area. So far as these statements can be reduced to conformity they indicate a decline in the value of lands in such counties, in the southern part of the State, as have in recent years sustained failures in crops from drought, chinch-bugs or other causes, and in general a decline from former prices in all the poorer counties in the south,—the exception being in localities where railroads have recently been built. In some of the central, western and northern counties where land is fertile, highly improved and valuable, and in which there has been a marked tendency to emigration, while there has been no depreciation in the intrinsic value of the land, there has been a disposition to sell, at a sacrifice if necessary, in order to invest in cheaper lands in western states; a reaction, however, in this respect, is noted at present and the actual values are reported as substantially unchanged from those of 1880. There are other sections of the State, notably the central and eastern, in which material value has been added to the land by tile and surface drainage, improvements and developments, the degree of which is variously reported as equivalent to from 25 to 50 per cent. over the valuations of 1880.

These are necessarily very broad generalizations, but they are warranted apparently by the tenor of reports received. Within each of these districts there are counties presenting exceptional features and others in which a difference of opinion is expressed on the same property, but, the trend of sentiment is in the direction indicated for the districts mentioned. A calculation based on the percentages of gain or loss in the value reported in the several counties, applied to the acreage in those counties, and omitting counties in which the value is reported as unchanged, develops a net gain in value, constructively for the whole State, of 6.2 per cent. since 1880. An increase is reported in the land values of twenty-five counties; a decrease is reported in 20 counties, and in sixteen counties values are said to be practically unchanged. The statement is very general that the intrinsic value of farms has increased by reason of tiling and surface improvements, the



growth of towns and increase of population, and that where depressions in selling prices exist they are largely owing to local and temporary causes. As instances of very marked changes in values, the lands in McLean county are reported to have gained at least 75 per cent. in value since 1880, and this judgment is expressed, after reference to records and experience, by probably the best authority on that subject in the county; on the other hand, a critical observer and long resident of Madison county believes the value of farm lands in that county have depreciated 33 per cent. in the same interval, owing to recent failures of the wheat crop and the emigration of farmers' sons and renters.

The financial agent of a farm-loan company, who has traveled over the State constantly for seven years, believes that all lands have declined in value,—those north of the Wabash Railroad from 7 to 10 per cent., and those south of that line twice as much. On the other hand, equally good authority, a firm which has been making loans on Illinois farms for many years, declares that in the territory north of the Ohio and Mississippi Railroad, and east of the Illinois river, there has been a gain of at least 25 per cent.

No statistical value is claimed for any of these statements, but as expressions of opinion, they come from those best qualified to know the facts, and from every quarter of the State. As a forecast of what may be developed as to the value of lands in Illinois by the coming U. S. Census, these estimates point to a possible gain of about 10 per cent. for the State at large, in the decade ending 1890. The increase during the ten years from 1870 to 1880 as computed by the census officials, after reducing the valuations of 1870 to a gold basis, was 24 per cent.

The ratio of increase in the mortgage incumbrance on farms between 1870 and 1880, as shown in a former paragraph, was 21+ per cent., and that between 1880 and 1887, 23+ per cent., which according to the best information obtainable, is more than twice as much as the ratio of increase in the value of the land.

The relative number of acres mortgaged outside of Cook county at the several periods appears as follows:

1870.....	6,437,327
1880.....	8,970,190
1887.....	7,966,566

The average rates of interest for the State at large which have prevailed in each class and for each period, are:

	Lands	Lots.	Chattels.
1870.....	9.436 +	9.864 +	9.851 +
1880.....	7.608 +	7.644 +	7.969 +
1887.....	6.909 +	6.514 +	7.826 +

The average time for which mortgages in the different periods and classes have been made to run, is as follows:

	Lands.	Lots.	Chattels.
1870.....	3.119 + years	2.413 + years	13.72 + months
1880.....	3.547 + years	2.940 + years	13.55 + months
1887.....	3.844 + years	3.807 + years	14.33 + months

The foregoing synopsis of the conclusions reached in this investigation indicates the ground covered and the specific information sought. Subsequent tabulations for the State at large, and for the several counties separately, afford full information in detail as to the specific facts and general results developed by this inquiry.

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CHAPTER III.

STATISTICS OF MORTGAGES IN ILLINOIS.

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GENERAL TABLES FOR THE STATE.

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TABLE I—Mortgages on Lands—1887.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.	Average rate of interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
	No.	Amounts.	Acres.			Whole No. of mortgages.	WHOLE AMOUNTS.			Whole number of acres.
							Principal.	Interest.	Total.	
The State..	25,334		2,178,532		.0680	92,777		\$4,919,754	8,082,794	
		\$87,040,770		8,844				\$142,400,800	\$147,820,054	
Adams .....	876	\$517,448	32,388	2.900	.0639	1,090	\$1,500,599	\$51,696	\$1,552,295	93,765
Alexander .....	57	81,996	6,075	2.151	.0737	122	68,823	2,742	71,565	13,067
Bond .....	170	136,825	13,546	3.377	.0741	574	458,681	16,994	475,675	45,745
Boone .....	143	211,467	10,876	4.449	.0677	686	940,817	31,847	972,664	48,387
Brown .....	192	136,365	15,537	3.229	.0749	630	537,133	20,118	557,251	50,169
Bureau .....	437	694,747	46,708	4.387	.0715	1,915	3,044,381	108,887	3,153,218	204,674
Calhoun .....	86	63,469	10,365	3.118	.0717	268	197,896	7,095	204,991	32,380
Carroll .....	218	342,281	19,308	3.500	.0639	756	1,197,984	41,271	1,239,255	67,578
Cass .....	128	263,149	15,257	4.369	.0692	559	1,149,698	39,780	1,189,478	66,558
Champaign .....	540	704,207	45,322	4.349	.0651	2,348	3,062,770	99,668	3,162,438	197,105
Christian .....	814	396,158	28,363	3.833	.0762	1,204	1,518,454	57,953	1,576,407	198,715
Clark .....	334	136,945	34,725	4.440	.0729	1,149	471,091	17,171	488,262	85,054
Clay .....	192	86,748	15,008	3.238	.0732	612	319,746	12,502	332,248	48,596
Clinton .....	180	238,647	19,424	3.206	.0734	577	765,102	28,079	793,181	62,273
Coles .....	306	282,874	17,919	3.343	.0723	1,023	945,648	34,185	979,833	59,003
Cook .....	646	5,060,650	31,447	3.696	.0626	2,388	18,667,202	584,283	19,251,485	116,228
Crawford .....	176	90,212	10,729	2.907	.0746	512	262,246	9,732	272,028	31,189
Cumberland .....	198	114,755	10,103	3.828	.0746	758	439,282	16,385	455,667	88,674
DeKalb .....	202	898,225	19,227	4.601	.0701	929	1,832,233	64,220	1,896,453	88,463
DeWitt .....	218	303,068	17,932	3.933	.0712	857	1,191,927	42,432	1,234,359	10,527
Douglas .....	253	329,648	20,182	3.932	.0695	1,004	1,296,176	45,042	1,341,218	79,356
DuPage .....	120	263,685	7,344	3.674	.0639	441	1,042,269	38,300	1,079,569	26,982
Edgar .....	281	346,871	25,065	3.674	.0720	1,082	1,274,404	45,879	1,320,283	92,069
Edwards .....	152	79,303	8,715	1.957	.0741	297	155,196	5,758	160,954	17,056
Effingham .....	209	112,105	16,406	3.718	.0734	777	416,906	15,088	431,994	60,998
Fayette .....	359	212,519	27,927	3.828	.0711	1,374	813,523	31,361	844,884	106,905
Ford .....	238	870,308	24,990	4.600	.0661	1,095	1,703,831	56,482	1,760,313	114,594
Franklin .....	126	58,001	9,708	1.755	.0753	221	101,792	3,832	105,624	17,032
Fulton .....	539	622,649	46,308	3.624	.0754	1,932	2,266,490	85,069	2,351,559	167,820
Gallatin .....	163	134,005	15,667	2.669	.0753	435	357,667	13,734	371,401	41,815
Greene .....	139	229,644	26,212	3.350	.0753	466	769,807	28,964	798,771	87,810
Grundy .....	148	325,299	16,322	4.878	.0619	722	1,586,809	49,112	1,635,921	79,619
Hamilton .....	282	79,532	13,722	3.025	.0777	823	240,584	9,347	249,931	56,684
Hancock .....	428	505,054	38,415	3.170	.0710	1,357	1,601,021	56,898	1,657,917	106,925
Hardin .....	47	10,377	3,282	1.474	.0798	69	15,296	610	15,906	4,388
Henderson .....	96	230,920	13,432	2.706	.0741	260	597,810	22,149	619,959	36,347
Henry .....	310	569,534	34,356	4.430	.0719	1,373	2,629,856	84,525	2,714,381	147,767
Iaquois .....	572	806,971	63,807	4.355	.0654	2,491	3,514,350	114,920	3,629,270	232,152
Jackson .....	260	144,287	19,748	3.142	.0741	817	453,350	16,879	470,229	62,048
Jasper .....	165	64,256	12,008	3.895	.0714	643	250,277	7,935	258,212	46,763
Jefferson .....	240	98,374	16,442	2.226	.0757	678	278,006	10,661	288,667	46,465
Jersey .....	151	244,475	18,254	3.885	.0725	587	949,758	34,430	984,188	70,917
JoDavies .....	240	305,448	23,713	3.071	.0678	737	938,031	31,799	969,830	72,823
Johnson .....	149	47,614	12,985	2.256	.0732	386	107,417	4,264	111,671	29,294
Kane .....	259	432,777	19,158	5.635	.0667	1,459	2,720,848	90,727	2,811,575	107,955
Kankakee .....	264	404,889	32,524	5.281	.0710	1,394	2,323,335	82,666	2,406,001	170,709
Kendall .....	124	279,929	13,804	5.464	.0638	678	1,520,638	48,992	1,569,630	75,425
Knox .....	354	689,250	38,832	3.816	.0709	1,351	2,553,858	90,534	2,644,392	148,167
Lake .....	245	329,486	14,398	4.042	.0626	990	1,331,782	41,685	1,373,467	88,187
LaSalle .....	460	985,954	46,857	4.191	.0693	1,928	4,182,133	141,112	4,323,245	195,130
Lawrence .....	141	77,290	10,284	3.648	.0777	514	281,741	10,946	292,687	37,468
Lee .....	265	510,082	28,287	4.234	.0683	1,135	2,184,777	74,617	2,259,394	121,182
Livingston .....	609	998,474	55,496	4.881	.0701	2,973	4,824,742	169,107	4,993,849	270,876
Logan .....	184	424,220	21,181	4.908	.0712	920	2,120,262	75,481	2,195,743	106,863
Macon .....	236	452,432	24,274	3.822	.0721	1,093	1,729,195	62,397	1,791,592	92,775
Macoupin .....	815	894,170	24,838	3.694	.0737	975	1,219,662	44,941	1,264,603	76,833
Madison .....	363	597,954	30,017	2.818	.0701	1,028	1,685,084	59,060	1,744,094	84,588
Marion .....	171	94,771	11,477	2.868	.0779	490	271,803	10,587	282,390	32,916
Marshall .....	129	265,121	14,436	3.692	.0700	476	973,837	34,258	1,013,085	53,298
Mason .....	138	216,581	18,696	4.027	.0702	556	872,172	30,613	902,785	76,297
Massac .....	111	39,008	8,056	1.735	.0773	193	67,818	2,621	70,439	13,977
McDonough .....	238	350,502	22,825	3.831	.0744	1,103	1,842,773	49,951	1,892,724	87,443
McHenry .....	260	408,000	27,693	4.107	.0693	1,068	1,922,076	66,000	1,988,076	113,694
McLean .....	403	762,091	40,763	3.879	.0686	1,563	2,956,151	101,896	3,057,047	158,129
Menard .....	150	246,807	12,923	3.868	.0727	580	954,649	34,701	989,350	49,986

Table I.—Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.	Average rate of interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
	No.	Amounts.	Acres.			Whole No. of mortgages.	WHOLE AMOUNTS.			Whole number of acres.
							Principal.	Interest.	Total.	
Mercer.....	199	\$326,474	20,665	3.255	.0739	648	\$1,062,673	\$39,266	\$1,101,939	67,265
Monroe.....	132	198,237	18,230	2.994	.0712	395	593,522	21,129	614,651	54,551
Montgomery	251	287,186	22,330	2.561	.0734	643	735,355	26,988	762,343	57,187
Morgan.....	223	419,871	17,961	3.588	.0695	800	1,506,497	52,351	1,558,848	64,444
Monitrie....	286	264,412	20,870	3.841	.0695	1,099	1,015,606	35,292	1,050,898	80,162
Ogle.....	290	545,187	25,739	4.068	.0677	1,180	2,217,821	75,073	2,292,894	104,670
Peoria.....	383	810,671	35,018	4.317	.0657	1,665	3,523,987	115,763	3,639,750	152,223
Perry.....	174	93,750	13,735	2.915	.0762	572	273,281	10,412	283,693	40,088
Platt.....	248	326,194	23,128	4.556	.0683	1,130	1,486,140	50,752	1,536,892	105,371
Pike.....	294	325,485	25,027	3.113	.0757	915	1,013,235	38,351	1,051,586	77,909
Pope.....	141	39,990	11,867	1.539	.0793	216	61,185	2,426	63,611	18,156
Pulaski.....	76	34,273	4,617	2.160	.0782	164	74,030	2,895	76,925	9,973
Putnam.....	74	130,425	7,314	3.726	.0677	276	485,964	16,450	502,414	27,252
Randolph....	191	167,054	14,990	2.709	.0749	517	452,549	16,948	469,497	40,608
Richland....	178	82,549	11,222	2.405	.0745	428	198,530	7,395	205,925	26,989
Rock Island	222	336,230	19,923	3.783	.0723	840	1,271,958	45,981	1,317,939	75,369
Saline.....	224	71,527	16,247	2.145	.0765	480	153,425	5,869	159,294	34,850
Sangamon....	398	806,170	30,909	3.969	.0719	1,580	3,199,689	114,869	3,314,558	122,678
Schuyler....	232	232,536	25,272	2.943	.0764	683	684,353	24,142	710,495	74,375
Scott.....	89	136,214	8,504	3.432	.0787	305	467,486	18,396	485,882	29,186
Shelby.....	418	317,006	29,246	3.761	.0712	1,572	1,192,260	42,444	1,234,704	109,994
Stark.....	129	258,109	11,966	4.220	.0695	544	1,089,220	37,850	1,126,060	50,497
St. Clair....	259	462,989	18,704	2.543	.0702	659	1,177,381	41,326	1,218,707	47,564
Stephenson..	310	512,683	23,829	3.992	.0678	1,238	2,046,631	69,381	2,116,012	95,123
Tazewell....	246	554,255	24,140	3.871	.0700	952	2,145,521	75,093	2,220,614	98,446
Union.....	142	82,066	13,077	2.894	.0753	411	237,499	8,942	246,441	37,845
Vermillion...	538	639,650	36,193	3.955	.0692	2,128	2,529,816	87,532	2,617,348	143,143
Wabash.....	132	72,474	7,745	2.330	.0795	308	168,864	6,712	175,576	18,046
Warren.....	218	369,431	21,361	3.357	.0731	732	1,240,110	45,329	1,285,509	71,709
Washingt'n	229	232,272	22,210	3.991	.0712	914	926,998	33,001	959,999	88,649
Wayne.....	447	151,949	28,118	3.246	.0782	1,451	493,226	19,285	512,511	91,271
White.....	388	190,346	26,394	2.801	.0779	1,087	533,159	20,767	553,926	78,999
Whiteside...	369	606,929	37,445	4.125	.0706	1,522	2,499,457	88,231	2,587,688	154,461
Will.....	351	706,473	31,867	3.980	.0666	1,397	2,811,762	93,632	2,905,394	126,831
Williamson..	224	74,419	14,726	2.298	.0782	515	171,015	6,687	177,702	33,849
Winnebago..	175	319,985	12,487	4.357	.0655	762	1,394,175	45,659	1,439,834	54,405
Woodford....	162	314,328	15,456	4.251	.0693	693	1,396,336	46,304	1,382,640	65,703

Table I.—Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.....	Average rate of interest.....	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
						Whole No. of mortgages..	WHOLE AMOUNTS.			Whole number of acres.
	No.	Amounts.	Acres.				Principal.	Interest.	Total.	
Mercer.....	199	\$326,474	20,665	3.255	.0739	648	\$1,062,673	\$39,266	\$1,101,939	67,265
Monroe.....	132	198,237	18,220	2.994	.0712	395	593,522	21,129	614,651	54,551
Montgomery.....	251	287,136	22,330	2.561	.0734	643	735,355	26,988	762,343	57,187
Morgan.....	223	419,871	17,961	3.588	.0695	800	1,506,497	52,351	1,558,848	64,444
Moultrie.....	286	264,412	20,870	3.841	.0695	1,099	1,015,606	35,292	1,050,898	80,162
Ogle.....	290	545,187	25,730	4.068	.0677	1,180	2,217,821	75,073	2,292,894	104,670
Peoria.....	383	810,671	35,018	4.347	.0657	1,665	3,523,987	115,763	3,639,750	152,233
Perry.....	174	93,750	13,735	2.915	.0762	572	273,281	10,412	283,693	40,038
Platt.....	248	326,194	23,128	4.556	.0683	1,130	1,486,140	50,752	1,536,892	105,371
Pike.....	294	325,485	25,027	3.113	.0757	915	1,013,235	38,351	1,051,586	77,909
Pope.....	141	89,990	11,867	1.539	.0793	216	61,185	2,426	63,611	18,156
Pulaski.....	76	34,273	4,617	2.160	.0782	164	74,030	2,895	76,925	9,973
Putnam.....	74	130,425	7,314	3.726	.0677	276	485,964	16,450	502,414	27,252
Randolph.....	191	467,054	14,990	2.709	.0749	517	452,549	16,948	469,497	40,608
Richland.....	178	82,549	11,222	2.405	.0745	428	198,530	7,395	205,925	26,989
Rock Island.....	222	326,230	19,923	3.783	.0723	840	1,271,958	45,981	1,317,939	75,369
Saline.....	234	71,527	16,247	2.145	.0765	480	153,425	5,969	159,394	34,850
Sangamon.....	398	806,170	30,909	3.969	.0719	1,580	3,199,689	114,869	3,314,558	122,678
Schuyler.....	232	252,596	25,272	2.943	.0764	683	684,353	26,142	710,495	74,375
Scott.....	89	136,214	8,504	3.432	.0787	305	467,486	18,396	485,882	29,186
Shelby.....	418	317,006	29,246	3.761	.0712	1,572	1,192,269	42,444	1,234,704	109,994
Stark.....	129	258,109	11,966	4.220	.0695	544	1,089,220	37,850	1,126,060	50,497
St. Clair.....	259	462,989	18,704	2.543	.0702	659	1,177,381	41,326	1,218,707	47,564
Stephenson.....	310	512,683	23,829	3.992	.0678	1,238	2,046,631	69,381	2,116,012	95,125
Tazewell.....	246	554,255	24,140	3.871	.0700	952	2,145,521	75,093	2,220,614	93,446
Union.....	142	82,066	13,077	2.894	.0753	411	237,499	8,942	246,441	37,845
Vermilion.....	538	639,650	26,193	3.955	.0692	2,128	2,529,816	87,532	2,617,348	143,143
Wabash.....	132	72,474	7,745	2.330	.0795	308	168,864	6,712	175,576	18,046
Warren.....	218	369,431	21,361	3.357	.0731	732	1,240,170	45,329	1,285,509	71,709
Washingt'n.....	229	232,272	22,210	3.991	.0712	914	926,998	33,001	959,999	88,640
Wayne.....	447	151,949	28,118	3.246	.0782	1,451	493,226	19,285	512,511	91,271
White.....	388	190,346	26,394	2.801	.0779	1,087	533,159	20,767	553,926	73,930
Whiteside.....	369	605,929	37,445	4.125	.0706	1,522	2,499,457	88,231	2,587,688	154,461
Will.....	351	706,473	31,867	3.980	.0666	1,397	2,811,762	93,632	2,905,394	126,831
Williamson.....	224	74,419	14,726	2.298	.0782	515	171,015	6,687	177,702	33,840
Winnebago.....	175	319,985	12,487	4.357	.0655	762	1,394,175	45,659	1,439,834	54,405
Woodford.....	162	314,328	15,456	4.251	.0693	632	1,336,396	46,304	1,382,690	65,703

TABLE II.—*Mortgages on Lots—1887.*

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.	Average rate of Interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.			
						Whole No. of Mortgages.	WHOLE AMOUNTS.		
	No.	Amounts.	Lots.				Principal.	Interest.	Total.
The State..	38,326	\$62,764,914	65,066	3.807	.0651	142,750	\$338,922,039	\$7,782,788	\$246,704,827
Adams.....	898	\$421,078	571	2.955	.0657	1,176	\$1,244,285	\$40,875	\$1,285,160
Alexander....	135	150,709	457	2.618	.0759	353	394,556	14,579	409,135
Bond.....	72	28,441	120	3.051	.0799	220	86,773	3,467	90,240
Boone.....	100	88,093	159	3.867	.0722	304	320,394	11,566	331,960
Brown.....	24	17,256	41	2.108	.0731	51	36,376	1,240	37,616
Bureau.....	287	123,090	351	3.661	.0731	565	449,402	16,426	465,828
Calhoun.....	6	1,178	11	1.080	.0793	8	1,979	78	2,057
Carroll.....	153	76,073	237	2.194	.075	327	162,340	6,291	168,631
Cass.....	167	100,105	304	5.525	.0709	923	553,000	19,607	572,607
Champaign..	820	147,487	553	3.867	.0698	1,076	495,999	17,310	513,309
Christian.....	198	100,036	364	4.556	.0666	901	455,764	15,177	470,941
Clark.....	100	42,888	198	4.423	.0788	442	189,694	7,474	197,168
Clay.....	55	16,873	98	2.556	.0797	141	33,127	1,723	34,850
Clinton.....	26	18,487	84	3.014	.0724	78	55,720	2,017	57,737
Coles.....	233	114,844	447	3.848	.0774	825	407,388	15,766	423,154
Cook.....	20,013	49,329,342	32,483	8.582	.0633	77,690	191,496,506	6,060,864	197,557,370
Crawford.....	69	25,345	149	3.570	.0794	246	90,482	3,592	94,074
Cumberland..	50	24,898	77	2.902	.0798	145	72,254	2,883	75,137
DeKalb.....	145	77,519	238	3.068	.0737	443	237,053	8,735	245,788
DeWitt.....	100	62,875	212	2.967	.0779	300	188,374	7,337	195,711
Douglas.....	145	81,512	274	5.006	.0778	736	408,048	15,873	423,921
DuPage.....	188	225,606	522	3.182	.0651	582	717,888	23,356	741,254
Edgar.....	150	71,173	312	2.855	.0777	470	210,316	8,171	218,487
Edwards.....	48	15,979	73	2.737	.0719	138	45,732	1,659	47,391
Efingham.....	127	56,572	107	4.005	.0778	509	236,571	8,777	245,348
Fayette.....	102	48,401	238	4.828	.0759	441	209,479	7,950	217,429
Ford.....	108	62,313	205	4.791	.0662	517	204,541	9,882	214,423
Franklin.....	35	13,313	46	2.570	.0734	90	35,499	1,303	36,802
Fulton.....	297	158,706	525	3.444	.0785	1,028	545,206	21,399	566,605
Gallatin.....	45	26,414	98	2.965	.0763	133	75,353	2,873	78,226
Greene.....	99	56,418	144	2.859	.0748	234	133,090	4,978	138,068
Grundy.....	91	46,770	171	2.649	.0749	241	123,894	4,640	128,534
Hamilton.....	32	14,823	50	3.025	.0775	97	44,840	1,737	46,577
Hancock.....	187	89,899	364	2.741	.0761	513	246,413	9,876	256,289
Hardin.....	10	2,042	15	1.000	.0800	10	2,042	82	2,124
Henderson....	15	5,190	30	1.067	.0753	16	5,538	209	5,747
Henry.....	206	127,601	338	3.068	.0736	632	391,480	14,406	405,886
Iroquois.....	165	74,617	359	2.827	.0708	466	210,492	7,467	217,959
Jackson.....	138	58,555	241	2.875	.0778	397	168,346	6,549	174,895
Jasper.....	28	8,432	37	4.119	.0800	124	37,210	1,488	38,698
Jefferson....	67	24,887	102	1.899	.0764	127	47,241	1,905	49,146
Jersey.....	84	46,041	158	3.274	.0757	275	150,738	5,705	156,443
Jo Daviess... Johnson.....	110 29	92,008 10,642	256 37	2.471 2.741	.0709 .0789	272 77	227,352 29,170	8,060 1,151	235,412 30,321
Kane.....	1,018	883,196	1,491	3.796	.0702	3,864	3,162,812	111,015	3,273,829
Kankakee....	228	132,741	384	3.809	.0709	849	505,610	17,924	523,534
Kendall.....	50	21,867	91	3.432	.0728	172	75,047	2,732	77,779
Knox.....	374	289,846	711	3.344	.0764	1,251	969,245	37,025	1,006,270
Lake.....	172	152,485	269	2.717	.0641	467	414,302	18,278	432,580
LaSalle.....	760	499,241	1,232	3.225	.0732	2,451	1,577,802	57,747	1,635,549
Lawrence....	76	29,808	103	3.802	.0799	235	118,330	4,527	122,857
Lee.....	151	90,083	176	3.108	.0745	469	279,978	10,429	290,407
Livingston... Logan.....	156 284	112,898 127,088	815 741	4.479 4.462	.0764 .0787	683 1,260	494,390 560,441	18,885 22,014	513,273 582,455
Macon.....	506	414,878	981	3.378	.0763	2,012	1,400,623	53,494	1,454,117
Macoupin....	161	81,464	286	2.984	.0737	472	239,015	8,806	247,821
Madison.....	326	318,881	669	3.256	.0701	1,001	1,088,276	36,892	1,125,168
Maize.....	158	85,706	233	3.976	.0775	638	340,707	13,206	353,913
Marshall....	53	30,830	81	1.909	.0726	101	53,854	2,135	55,989
Mason.....	100	45,469	204	4.649	.0795	465	225,332	8,957	234,289
Massac.....	60	34,944	164	1.858	.0664	111	64,926	2,155	67,081
McDonough..	159	66,820	375	3.165	.0774	503	211,485	8,290	219,775
McHenry.....	128	79,119	202	2.808	.0723	259	222,166	8,081	230,247
McLean.....	641	566,520	982	3.511	.0698	2,276	2,011,712	70,299	2,082,011
Menard.....	92	75,818	207	2.666	.0709	245	200,794	7,118	207,912
Mercer.....	80	45,670	267	1.707	.0786	137	77,959	3,064	81,023
Monroe.....	41	27,800	81	1.841	.0776	75	50,812	1,972	52,784



TABLE IV.—*All Mortgages and Totals of Existing Indebtedness—1887—Principal and Interest.*

COUNTIES.	LANDS.			LOTS.			CHATELNS.		TOTAL.
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole amounts.
The State.....	92,777	\$147,320,064	8,082,704	142,750	\$246,704,827	237,386	74,740	\$22,354,187	\$416,379,068
Adams.....	1,090	\$1,552,295	98,785	1,176	\$1,285,100	1,707	331	\$126,842	\$2,964,297
Alexander.....	122	71,565	13,067	353	409,135	1,196	90	24,816	505,516
Bond.....	574	475,675	45,745	220	90,340	366	130	53,676	619,591
Boone.....	636	972,664	48,897	364	381,960	578	193	62,082	1,367,706
Brown.....	630	557,251	50,169	51	37,616	86	124	29,962	624,830
Bureau.....	1,915	3,153,218	204,674	865	465,828	1,282	403	211,900	3,830,946
Calhoun.....	268	204,991	32,390	8	2,057	18	92	17,823	224,871
Carroll.....	756	1,239,255	67,578	327	168,681	506	257	66,996	1,474,822
Cass.....	559	1,189,478	66,658	928	572,687	1,690	188	87,915	1,850,080
Champaign.....	2,348	3,162,463	197,105	1,076	513,309	1,860	861	218,104	3,893,876
Christian.....	1,204	1,576,307	108,715	901	470,941	1,640	487	162,680	2,209,928
Clark.....	1,149	488,262	85,054	442	197,168	832	123	49,043	734,473
Clay.....	612	332,248	48,596	141	44,850	250	110	42,633	419,781
Clinton.....	577	793,181	62,273	78	57,737	253	234	75,686	926,604
Coles.....	1,023	979,832	59,908	826	423,154	1,584	922	87,715	1,490,702
Cook.....	2,388	19,251,485	116,238	77,690	197,557,870	126,099	40,822	11,363,300	228,072,055
Crawford.....	512	272,028	31,189	246	94,074	532	134	31,670	397,773
Cumberland.....	758	455,667	38,744	145	75,137	223	113	26,651	557,455
DeKalb.....	929	1,896,453	88,463	443	245,783	728	412	172,990	2,315,171
DeWitt.....	857	1,234,359	70,537	300	196,711	635	260	90,489	1,520,559
Douglas.....	1,004	1,341,218	79,356	726	423,922	1,372	319	98,067	1,868,207
DuPage.....	441	1,075,529	26,962	582	741,254	1,661	145	64,909	1,881,812
Edgar.....	1,032	1,330,283	92,089	470	218,487	922	355	151,045	1,689,315
Edwards.....	297	160,954	17,055	138	47,625	210	94	18,101	226,690
Efingham.....	777	431,894	60,998	509	235,328	789	216	49,485	716,707
Fayette.....	1,374	844,784	106,905	441	197,429	1,080	341	75,079	1,377,392
Ford.....	1,095	1,760,313	114,594	517	308,423	982	307	114,892	2,183,628
Franklin.....	221	105,624	17,082	90	36,302	118	81	7,237	149,653
Fulton.....	1,932	2,341,549	167,830	1,023	566,905	1,806	698	215,001	3,123,155
Gallatin.....	435	371,401	41,815	133	78,238	291	312	75,596	526,195
Greene.....	466	798,271	87,810	234	185,066	340	379	127,138	1,063,477
Grundy.....	722	1,635,921	79,619	241	123,534	453	351	118,808	1,862,798
Hamilton.....	853	249,931	56,634	97	46,577	151	268	48,208	344,716
Hancock.....	1,357	1,657,857	105,926	513	255,769	998	253	123,231	2,036,877
Hardin.....	69	15,906	4,898	10	2,124	15	65	9,497	27,527
Henderson.....	260	619,959	36,347	16	5,747	32	149	39,542	665,248
Henry.....	1,373	2,723,881	147,767	632	406,886	1,087	518	207,010	3,336,777
Iroquois.....	2,491	3,629,379	232,152	466	218,409	1,015	652	225,999	4,073,687
Jackson.....	817	470,147	62,048	397	174,895	673	408	90,989	736,081
Jasper.....	643	359,212	46,768	124	38,698	163	101	20,725	318,635
Jefferson.....	678	288,666	46,465	127	49,046	194	184	30,042	367,754
Jersey.....	587	984,215	70,917	275	156,443	517	239	82,965	1,223,628
Jo Daviess.....	737	969,830	72,823	272	235,412	638	209	65,070	1,270,312
Johnson.....	336	111,671	29,294	77	30,321	101	184	27,182	169,174
Kane.....	1,459	2,811,575	107,955	3,864	3,273,829	5,622	750	342,901	6,428,305
Kankakee.....	1,394	2,410,991	170,708	849	523,534	1,463	383	127,155	3,061,680
Kendall.....	678	1,578,524	75,425	172	77,779	312	229	95,758	1,752,061
Knox.....	1,351	2,644,392	148,183	1,251	1,006,270	2,377	476	174,923	3,825,590
Lake.....	990	1,373,467	88,197	467	427,590	731	162	56,629	1,859,676
LaSalle.....	1,928	4,273,345	195,120	2,451	1,635,549	4,167	573	273,311	6,132,105
Lawrence.....	514	292,687	37,468	295	117,857	392	87	30,647	431,191
Lee.....	1,135	2,359,594	121,182	469	290,407	547	536	214,357	2,794,858
Livingston.....	2,973	4,993,849	270,876	683	513,363	1,379	800	37,194	5,594,306
Logan.....	920	2,195,733	105,638	1,250	581,455	1,941	767	298,571	3,075,759
Macon.....	1,093	1,791,592	92,775	2,012	1,454,062	3,319	732	175,235	3,400,889
Macoupin.....	975	1,264,503	76,833	473	247,523	2,339	405	161,397	1,733,738
Madison.....	1,023	1,744,084	84,598	1,091	1,074,666	2,176	560	154,864	3,003,626
Marion.....	490	282,390	32,916	628	353,872	1,165	347	91,563	727,925
Marshall.....	476	1,013,985	53,286	101	60,969	155	171	62,468	1,126,542
Mason.....	556	902,785	75,237	465	234,289	948	472	178,073	1,315,147
Massac.....	193	70,439	13,977	111	67,061	296	94	18,789	151,309
McDonough.....	1,103	1,392,724	87,443	503	219,775	1,187	336	117,904	1,730,403
McHenry.....	1,068	1,988,676	113,694	359	230,197	667	479	164,782	2,368,655
McLean.....	1,563	3,067,547	158,120	2,276	2,061,921	3,437	780	247,410	5,386,875
Menard.....	580	989,350	49,966	245	207,902	552	192	72,064	1,269,306



Table IV.—Continued.

COUNTIES.	LANDS.			LOTS.			CHATELS.		TOTALS.
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole Amounts.
Mercer.....	648	\$1,101,939	67,265	137	\$81,023	437	241	\$85,553	\$1,268,515
Monroe.....	396	614,651	54,551	75	52,784	149	325	131,123	796,555
Montgomery...	643	762,343	57,137	934	535,537	1,845	309	100,045	1,397,978
Morgan.....	800	1,538,848	64,444	773	685,907	1,103	306	152,937	2,397,692
Moultrie.....	1,099	1,050,898	80,162	148	88,090	409	271	74,659	1,214,247
Ogle.....	1,180	2,292,894	104,670	190	108,105	500	454	147,476	2,548,475
Peoria.....	1,663	3,689,750	152,223	8,632	4,314,588	5,730	1,158	429,304	8,338,642
Perry.....	572	263,693	40,089	221	108,459	377	231	32,157	424,309
Piatt.....	1,130	1,536,892	105,371	880	187,609	908	294	135,374	1,860,075
Pike.....	915	1,051,586	77,909	237	79,875	489	544	144,915	1,276,376
Pope.....	216	63,611	18,156	27	6,343	31	180	25,659	95,613
Pulaski.....	164	76,925	9,973	14	7,289	16	94	16,761	100,975
Putnam.....	276	502,414	27,252	28	9,259	55	83	45,417	557,090
Randolph.....	517	469,497	40,608	199	99,125	378	339	76,564	645,186
Richland.....	423	305,925	26,989	215	131,012	409	181	39,503	376,440
Rock Island.....	840	1,317,939	75,369	1,956	1,974,152	2,911	266	84,533	3,376,624
Saline.....	490	159,294	34,850	48	16,752	71	266	34,386	210,432
Sangamon.....	1,580	3,314,558	122,673	2,498	2,248,362	3,640	899	298,948	5,861,868
Schuyler.....	683	710,495	74,375	135	86,061	278	233	67,547	864,103
Scott.....	305	485,882	29,186	106	55,616	281	173	48,221	589,719
Shelby.....	1,572	1,234,704	109,994	1,702	799,704	2,850	591	129,681	2,164,089
Stark.....	544	1,127,070	50,467	58	25,337	137	156	67,321	1,219,728
St. Clair.....	659	1,218,707	47,564	1,866	1,807,242	3,544	559	199,007	3,224,956
Stephenson.....	1,235	2,116,012	95,125	1,187	1,047,390	2,085	284	92,919	3,256,321
Tazewell.....	952	2,220,614	93,446	575	362,970	1,084	355	132,885	2,716,469
Union.....	411	246,441	37,845	271	137,760	436	302	66,329	450,530
Vermillion.....	2,123	2,617,348	143,143	2,855	2,299,371	3,924	687	152,375	5,068,594
Wabash.....	308	175,576	18,046	418	159,445	481	197	33,144	368,168
Warren.....	732	1,285,509	71,709	362	251,162	541	337	135,916	1,672,587
Washington.....	914	959,999	88,640	303	163,333	1,116	382	106,489	1,229,371
Wayne.....	1,451	512,511	91,271	386	145,173	566	210	56,432	714,116
White.....	1,087	553,926	73,930	189	110,356	392	475	102,761	767,085
Whiteside.....	1,522	2,587,638	154,461	787	486,010	1,648	747	268,231	3,341,929
Will.....	1,397	2,905,294	126,831	3,171	3,455,978	4,566	494	205,888	6,567,260
Williamson.....	515	177,702	38,840	85	30,852	198	215	35,158	243,712
Winnebago.....	782	1,439,834	54,406	1,600	1,750,017	2,094	534	164,868	3,354,719
Woodford.....	693	1,382,640	65,703	204	117,027	521	167	86,090	1,585,757

TABLE V.—*Proportion of Mortgages for Loans and for Deferred Payments—1887—Principal and Interest.*

COUNTIES.	LANDS.		LOTS.		CHATELNS.	
	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.
	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.
The State.....	\$122,123,738	\$25,196,326	\$171,935,592	\$74,769,235	\$18,143,569	\$4,210,618
Adams .....	\$1,394,614	\$257,681	\$846,921	\$438,239	\$104,264	\$23,578
Alexander .....	36,211	36,354	159,972	249,163	23,327	1,489
Bond .....	411,985	63,740	34,291	55,949	40,418	13,258
Boone .....	906,523	66,141	808,422	28,538	56,521	6,561
Brown .....	401,748	155,808	25,316	12,300	19,356	10,606
Bureau .....	2,872,581	290,687	291,142	174,686	200,514	5,066
Calhoun .....	138,164	66,827	1,358	699	14,276	3,547
Carroll .....	1,121,525	117,780	156,894	11,737	66,401	535
Cass .....	1,106,214	83,264	146,609	426,078	87,274	641
Champaign .....	2,713,393	449,070	212,510	300,799	139,723	78,381
Christian .....	1,544,781	31,526	190,260	230,681	142,608	20,172
Clark .....	342,371	145,991	114,549	82,619	41,691	7,357
Clay .....	241,545	90,703	17,491	27,359	32,572	10,061
Clinton .....	690,861	102,330	46,148	11,589	54,494	21,192
Coles .....	754,471	225,362	165,030	258,124	84,382	8,333
Cook .....	15,401,188	3,850,297	143,169,827	54,387,543	9,123,192	2,140,006
Crawford .....	134,654	137,874	19,944	74,139	15,392	16,278
Cumberland .....	269,829	155,838	40,496	34,638	24,011	2,640
DeKalb .....	1,836,560	56,898	222,339	23,449	126,239	46,691
DeWitt .....	1,070,180	184,170	116,448	79,263	73,839	16,650
Douglas .....	1,165,519	175,699	144,558	279,364	87,297	5,770
DuPage .....	719,548	358,011	353,767	382,487	63,894	1,103
Edgar .....	938,721	391,562	55,697	122,790	143,644	7,401
Edwards .....	145,663	15,291	32,553	15,092	9,196	8,905
Effingham .....	419,801	13,033	139,901	95,427	29,444	20,041
Fayette .....	817,002	27,882	130,458	86,971	62,406	12,615
Ford .....	1,591,323	168,990	58,909	249,514	71,910	39,392
Franklin .....	73,409	32,215	35,872	980	3,794	3,433
Fulton .....	2,273,644	67,905	393,224	173,381	172,001	43,000
Gallatin .....	291,178	80,223	58,350	19,878	58,035	17,531
Greene .....	767,138	31,133	108,521	29,547	124,977	2,161
Grundy .....	1,431,431	204,490	101,413	27,121	105,763	12,540
Hamilton .....	179,200	70,731	34,794	11,733	13,566	9,642
Hancock .....	1,497,045	160,812	198,748	57,041	98,585	24,646
Hardin .....	11,388	4,518	1,916	206	5,508	3,689
Henderson .....	548,044	71,915	4,782	965	37,225	2,017
Henry .....	2,631,266	92,613	321,056	84,830	180,513	26,497
Iroquois .....	2,627,597	1,001,682	47,832	170,577	188,935	37,064
Jackson .....	345,088	125,039	128,899	45,996	65,148	25,841
Jasper .....	174,450	84,762	7,237	31,461	18,590	2,135
Jefferson .....	269,222	29,444	26,191	22,855	18,396	11,716
Jersey .....	799,183	185,082	124,372	82,071	66,539	16,426
Jo Daviess .....	900,003	69,823	234,659	753	59,474	5,596
Johnson .....	94,696	16,975	13,898	16,433	23,105	4,077
Kane .....	1,334,252	1,487,323	1,502,699	1,771,140	242,774	100,127
Kankakee .....	2,030,685	330,306	396,485	157,049	120,925	6,230
Kendall .....	1,229,870	348,854	53,334	19,442	54,910	40,848
Knox .....	2,181,623	462,789	545,398	460,872	149,089	26,889
Lake .....	1,030,101	343,366	360,874	66,706	57,632	997
LaSalle .....	3,593,799	679,446	1,046,752	688,797	236,141	37,170
Lawrence .....	187,612	106,075	25,929	91,928	7,371	13,276
Lee .....	1,785,079	474,515	192,540	97,867	168,554	50,903
Livingston .....	4,085,029	968,820	330,028	183,235	56,671	528
Logan .....	2,033,248	132,435	232,552	348,873	228,857	59,714
Macon .....	1,504,937	286,655	1,061,513	392,549	119,881	55,354
Macoupin .....	1,225,419	29,054	197,515	50,808	135,890	25,507
Madison .....	1,274,933	469,161	593,241	481,427	123,480	56,384
Marion .....	234,101	48,289	136,634	217,838	45,781	45,789
Marshall .....	400,168	612,917	10,917	50,072	4,810	57,658
Mason .....	723,131	179,654	66,772	167,517	147,847	30,725
Massac .....	57,196	13,243	56,952	10,139	12,396	1,398
McDonough .....	1,326,873	66,851	149,008	70,767	101,162	15,742

Table V.—Continued.

COUNTIES.	LANDS.		LOTS.		CHAETELS	
	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.
	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.
McHenry .....	\$1,577,020	\$411,656	\$198,482	\$31,765	\$148,469	\$16,818
McLean .....	2,877,152	180,895	1,515,689	565,282	198,175	49,335
Menard .....	840,948	145,402	146,156	61,746	38,261	33,793
Mercer .....	900,007	801,952	61,092	19,931	80,430	5,133
Monroe .....	522,453	92,188	44,867	7,917	98,080	33,048
Montgomery .....	525,778	235,565	235,960	299,627	59,027	41,018
Morgan .....	1,845,256	213,562	352,536	333,351	150,863	2,584
Moultrie .....	911,129	139,769	82,840	6,350	54,874	19,785
Ogle .....	2,093,412	199,482	92,971	15,194	120,778	26,698
Peoria .....	2,831,725	808,025	3,186,706	1,177,832	371,777	57,527
Perry .....	246,246	37,447	55,905	52,664	20,292	11,866
Piatt .....	1,295,600	241,292	180,406	57,408	114,797	20,577
Pike .....	1,005,316	46,170	71,489	8,886	120,424	24,491
Pope .....	37,212	26,399	8,742	2,601	11,690	18,779
Pulaski .....	58,292	18,693	4,860	2,429	18,057	8,704
Putnam .....	368,772	138,642	7,835	1,574	22,754	22,663
Randolph .....	898,754	60,743	75,309	20,816	53,595	22,969
Richland .....	167,622	38,308	56,859	74,153	35,987	3,516
Rock Island .....	1,053,083	264,906	1,332,993	641,159	81,912	2,021
Saline .....	153,558	5,736	15,144	1,608	34,233	108
Sangamon .....	3,072,595	241,963	1,295,057	953,305	224,202	64,746
Schnyder .....	579,764	130,731	51,378	34,688	54,105	13,442
Scott .....	417,859	68,024	42,657	12,959	38,770	9,451
Shelby .....	1,201,867	38,337	207,921	591,783	102,967	26,714
Stark .....	1,003,092	123,978	16,891	8,446	57,896	9,425
St. Clair .....	1,001,777	216,980	1,406,085	401,207	146,270	52,737
Stephenson .....	1,779,565	336,447	637,614	409,776	81,397	11,532
Tazewell .....	1,107,682	512,982	170,597	192,373	109,733	23,122
Union .....	173,494	72,947	81,279	56,481	55,849	10,480
Vermillion .....	2,066,066	531,322	769,458	1,532,913	137,587	15,238
Wabash .....	127,819	47,757	59,997	100,451	22,505	10,639
Warren .....	1,169,813	115,696	193,396	57,767	120,537	15,359
Washington .....	730,569	229,441	103,912	59,471	80,825	25,664
Wayne .....	400,271	112,240	66,780	78,393	41,421	15,011
White .....	411,566	142,360	87,877	22,521	94,540	8,221
Whiteside .....	2,353,251	204,427	364,508	121,502	261,525	6,706
Will .....	2,080,262	825,132	1,486,060	1,969,918	161,828	44,060
Williamson .....	139,318	38,384	15,396	15,457	24,962	10,196
Winnebago .....	1,108,672	331,162	1,144,512	605,505	140,962	23,906
Woodford .....	1,189,070	193,570	96,548	20,479	79,892	6,198

Table IV.—Continued.

COUNTIES.	LANDS.			LOTS.			CHATELS.		TOTALS.
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole Amounts.
Mercer.....	648	\$1,101,939	67,205	187	\$81,023	437	241	\$85,553	\$1,288,515
Monroe.....	396	614,651	54,551	75	52,784	149	325	131,123	798,555
Montgomery...	648	762,343	57,187	984	535,587	1,945	309	100,045	1,397,978
Morgan.....	800	1,558,848	64,444	778	685,907	1,103	306	152,937	2,397,992
Moultrie.....	1,099	1,050,898	80,182	148	88,690	409	271	74,659	1,214,247
Ogle.....	1,180	2,292,894	104,670	190	108,105	500	454	147,476	2,548,475
Peoria.....	1,665	3,689,750	152,223	8,682	4,314,588	5,780	1,158	429,804	8,348,642
Perry.....	572	253,698	40,088	221	108,469	377	231	82,157	424,809
Platt.....	1,130	1,536,892	105,371	880	187,609	808	234	135,874	1,860,075
Pike.....	915	1,051,586	77,909	237	79,875	489	544	144,915	1,276,376
Pope.....	216	68,611	18,156	27	6,343	31	180	26,659	95,613
Pulaski.....	164	76,925	9,973	14	7,289	16	94	16,761	100,975
Putnam.....	276	502,414	27,252	28	9,259	55	83	45,417	557,090
Randolph.....	517	469,497	40,608	199	99,125	378	839	76,564	645,186
Richland.....	428	205,925	26,989	215	131,012	409	181	39,508	376,440
Rock Island...	840	1,317,989	75,369	1,956	1,974,152	2,911	266	84,533	3,376,624
Saline.....	480	159,294	34,850	48	16,752	71	266	34,886	210,432
Sangamon.....	1,580	3,314,558	122,678	2,498	2,248,362	3,600	899	296,948	5,861,868
Schuyler.....	683	710,495	74,375	135	86,061	278	233	67,547	864,108
Scott.....	305	485,892	29,196	106	55,616	281	173	48,221	589,719
Shelby.....	1,572	1,234,704	109,994	1,702	799,704	2,850	591	129,681	2,164,089
Stark.....	544	1,127,070	50,497	58	25,337	137	156	67,821	1,219,728
St. Clair.....	659	1,218,707	47,564	1,886	1,807,242	3,544	559	199,007	3,224,956
Stephenson.....	1,238	2,116,012	96,125	1,187	1,047,390	2,085	284	92,919	3,256,321
Tazewell.....	952	2,220,614	93,446	575	362,970	1,084	355	132,885	2,716,469
Union.....	411	246,441	27,845	271	137,760	436	302	66,329	450,530
Vermilion.....	2,128	2,617,348	148,143	2,855	2,299,371	3,924	687	152,875	5,069,604
Wabash.....	308	175,576	18,046	418	159,445	481	197	38,144	368,168
Warren.....	732	1,255,509	71,709	362	251,162	541	337	135,916	1,672,587
Washington...	914	959,999	89,640	308	163,383	1,116	382	106,489	1,229,871
Wayne.....	1,451	512,511	91,271	366	146,173	566	210	56,432	714,116
White.....	1,087	553,926	73,930	189	110,398	892	473	102,761	767,085
Whiteside.....	1,522	2,587,698	154,461	787	486,010	1,648	747	268,231	3,341,929
Will.....	1,397	2,905,394	126,831	8,171	3,455,978	4,588	494	205,888	6,567,260
Williamson.....	515	177,702	33,840	95	30,852	198	215	35,158	243,712
Winnebago.....	732	1,439,834	54,405	1,600	1,750,017	2,094	534	164,668	3,354,719
Woodford.....	693	1,382,640	65,708	204	117,027	521	167	86,090	1,586,757

*Mortgages Recorded in the Year 1887.*

GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS AND SEWING MACHINES.		MISCELLANEOUS.		TOTALS.	
No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	Whole No.	Whole Amounts.
2,073	\$549,572	410	\$236,239	2,890	\$371,667	1,625	\$599,522	62,268	\$17,387,176
32	\$10,020	4	\$2,480	3	\$287	50	\$17,669	366	\$180,607
3	124			18	2,253	4	268	145	26,916
17	1,677			1	70	3	1,075	159	60,496
6	1,711	5	2,760	8	370	19	3,896	149	45,246
6	838	2	150					111	24,666
7	3,098	8	7,015	4	913	2	178	372	157,604
27	3,508					1	25	88	15,710
10	3,493			8	496	27	8,380	244	58,806
17	7,076	2	891	5	700	1	200	209	90,435
33	10,075	21	8,085	15	1,748	3	888	906	212,954
31	12,634	3	1,741	3	170	5	3,069	458	141,973
2	188					5	20,369	146	53,644
2	830			2	160			114	41,102
30	6,855	2	1,150					174	52,414
17	4,999	16	7,550	8	185	11	4,553	270	99,121
4	1,280			2,104	287,356	464	351,603	30,790	7,873,825
12	1,788					1	97	107	23,471
1	50					2	112	130	28,274
10	4,887	1	500	1	33			378	147,889
13	4,793			1	310	2	425	244	78,473
35	10,550	26	6,952			4	865	304	92,191
		1	600	5	790	9	8,160	108	45,227
13	4,068	5	1,790	4	240	38	28,828	390	153,900
4	557	1	25			1	50	84	14,999
5	1,126	1	1,735	20	2,388	9	1,078	198	42,363
53	8,112	6	7,300	2	115			326	66,392
19	4,475	5	5,424	1	65	29	15,464	339	117,531
2	75	1	400			6	1,065	10	8,795
16	5,212	2	370	8	1,098	26	7,317	509	159,082
43	14,173	9	1,957	19	2,635	4	362	329	73,693
85	7,793	4	1,225	14	1,895	12	8,662	253	109,705
9	3,147	6	2,619	2	354	3	1,827	266	82,742
21	3,258	4	1,995	6	340			302	45,170
8	880	5	7,615	4	219	7	12,587	265	119,151
1	63					8	473	75	10,068
6	1,853			5	475	1	60	145	37,112
19	6,750	8	3,170	1	80	6	3,844	408	150,994
34	12,135	20	12,918	5	467	25	7,817	660	212,062
79	12,765	6	1,567	11	720	1	60	380	69,051
1	145			4	206	4	1,660	114	21,913
10	1,546	2	450	7	605	1	90	218	32,813
66	13,231	2	429	4	247	1	200	191	61,224
11	2,756	5	1,108	5	672	5	2,938	194	55,849
6	311	4	112			55	6,040	207	28,171
2	800	1	375	29	4,432	102	71,004	668	282,567
2	800			3	245	42	20,195	288	86,611
3	1,056	2	1,271	4	485	4	1,375	184	71,537
13	3,060	8	4,115	5	774	24	5,798	500	170,091
				10	862	11	4,591	152	51,272
15	6,029	25	15,918	23	3,640	15	5,424	543	240,237
7	970	1	135			1	66	86	18,741
20	4,799	18	6,964	8	842	26	14,813	427	169,288
22	6,443	7	4,908	10	1,242	18	7,327	268	72,135
39	10,089	23	43,363	4	725	8	1,150	644	231,827
15	3,899	6	2,825	9	736	9	7,903	675	140,007
29	4,360	1	471	1	240	75	43,062	372	137,105
44	11,089	3	658	8	752	58	41,913	485	148,871
1	100			12	1,711	2	746	271	66,192
4	1,369			2	110	7	5,092	145	49,014
27	8,621	1	5,000	4	401	14	5,814	361	125,849
1	1,730	1	125					94	12,806
8	4,610	1	63	5	862	7	2,220	335	108,825
5	2,530	4	1,894	6	861	4	2,500	376	120,016
29	10,168	14	8,352	43	5,881	12	4,362	708	213,449
16	6,908	7	7,625	2	103	7	2,376	224	77,736
20	6,944			4	229	3	325	265	86,499
98	31,398	2	417					243	89,753

TABLE II.—Mortgages on Lots—1887.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.	Average rate of interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.			
						Whole No. of mortgages.	WHOLE AMOUNTS.		
	No.	Amounts.	Lots.				Principal.	Interest.	Total.
The State..	38,326	\$62,754,914	65,066	3.807	.0651	142,750	\$238,923,039	\$7,782,788	\$246,704,827
Adams.....	396	\$421,078	571	2.955	.0657	1,176	\$1,244,385	\$40,873	\$1,285,160
Alexander....	135	150,709	457	2.618	.0739	353	394,556	14,579	409,135
Bond.....	72	28,441	120	3.051	.0799	230	86,773	3,467	90,240
Boone.....	100	88,093	159	3.637	.0722	364	320,394	11,566	331,960
Brown.....	24	17,256	41	2.108	.0731	51	36,376	1,240	37,616
Bureau.....	237	123,090	351	3.651	.0731	865	449,402	16,426	465,828
Calhoun.....	5	1,178	11	1.680	.0793	8	1,979	78	2,057
Carroll.....	153	76,073	237	2.134	.0715	327	162,340	6,201	168,541
Cass.....	167	100,105	304	5.525	.0709	923	553,480	19,607	573,087
Champaign..	320	147,487	553	3.263	.0698	1,076	495,999	17,310	513,309
Christian....	198	100,036	261	4.556	.0666	901	455,764	15,177	470,941
Clark.....	100	42,888	188	4.423	.0788	442	189,694	7,474	197,168
Clay.....	55	16,873	98	2.556	.0797	141	43,127	1,723	44,850
Clinton.....	26	18,487	84	3.014	.0734	78	55,730	2,017	57,737
Coles.....	234	114,984	447	3.549	.0774	825	407,388	15,766	423,154
Cook.....	20,013	49,329,342	32,483	3.882	.0633	77,690	191,496,706	6,060,884	197,557,570
Crawford....	60	25,845	149	3.570	.0704	246	90,482	3,592	94,074
Cumberland..	50	24,898	77	2.952	.0738	145	72,254	2,883	75,137
DeKalb.....	145	77,519	238	3.068	.0737	443	237,053	8,735	245,788
DeWitt.....	100	62,875	212	2.960	.0719	300	188,374	7,337	195,711
Douglas.....	145	81,512	274	5.000	.0778	736	408,049	15,873	423,922
DuPage.....	183	225,606	523	3.182	.0651	582	717,888	23,356	741,254
Edgar.....	159	71,173	312	2.955	.0777	470	210,316	8,171	218,487
Edwards.....	48	15,979	73	2.777	.0719	138	45,972	1,653	47,625
Effingham...	127	56,572	197	4.005	.0773	509	226,571	8,757	235,328
Fayette.....	102	48,401	238	4.328	.0759	441	309,479	7,950	317,429
Ford.....	108	62,313	205	4.911	.0662	517	293,541	9,882	303,423
Franklin.....	35	13,813	46	2.570	.0734	90	35,499	1,303	36,802
Fulton.....	297	158,306	525	3.444	.0785	1,028	545,206	21,399	566,605
Gallatin.....	45	25,414	98	2.965	.0763	133	75,353	2,875	78,228
Greene.....	99	56,418	144	2.969	.0748	234	133,040	4,978	138,068
Grundy.....	91	46,770	171	2.649	.0749	241	123,894	4,640	128,534
Hamilton.....	32	14,823	50	3.025	.0775	97	44,840	1,737	46,577
Hancock.....	187	89,899	304	2.741	.0761	513	246,413	9,376	255,789
Hardin.....	10	2,042	15	1.000	.0800	10	2,042	82	2,124
Henderson...	15	5,190	30	1.067	.0753	16	5,538	209	5,747
Henry.....	206	127,601	333	3.064	.0736	632	391,480	14,406	405,886
Iroquois.....	165	74,617	359	2.827	.0708	466	210,492	7,467	218,409
Jackson.....	138	58,555	241	2.775	.0778	397	168,346	6,549	174,895
Jasper.....	28	8,432	37	4.413	.0600	124	37,210	1,488	38,698
Jefferson....	67	24,887	102	1.809	.0764	127	47,241	1,805	49,046
Jersey.....	84	46,041	158	3.274	.0757	275	150,738	5,705	156,443
Jo Daviess...	110	92,008	256	2.471	.0709	272	227,352	8,080	235,412
Johnson.....	32	10,642	37	2.741	.0789	77	29,170	1,151	30,321
Kane.....	1,018	833,196	1,481	3.786	.0702	3,864	3,162,812	111,015	3,273,829
Kankakee....	223	132,741	384	3.800	.0709	849	508,610	17,924	526,534
Kendall.....	50	21,897	91	3.332	.0728	172	78,047	2,732	77,779
Knox.....	374	289,846	711	3.434	.0764	1,261	969,245	37,025	1,006,270
Lake.....	172	152,485	289	2.717	.0641	467	414,302	13,278	427,580
LaSalle.....	760	489,241	1,282	3.225	.0732	2,451	1,677,802	57,747	1,735,549
Lawrence....	76	29,808	103	3.002	.0799	235	113,330	4,527	117,857
Lee.....	151	90,083	176	3.108	.0745	469	279,978	10,420	290,407
Livingston...	156	112,898	315	4.379	.0764	683	494,890	18,885	513,763
Logan.....	284	127,088	741	4.402	.0787	1,250	559,441	22,014	581,455
Macon.....	596	414,878	981	3.976	.0763	2,012	1,400,628	53,494	1,454,062
Macoupin....	161	81,464	286	2.384	.0737	472	289,015	8,808	297,823
Madison.....	335	318,881	669	3.256	.0701	1,091	1,038,276	36,392	1,074,668
Mairon.....	188	85,706	293	3.376	.0775	628	340,767	13,205	353,972
Marshall....	53	30,830	81	1.909	.0726	101	58,854	2,135	60,989
Mason.....	100	48,469	204	4.449	.0795	465	225,332	8,957	234,289
Massac.....	60	34,944	164	1.168	.0664	111	64,926	2,155	67,081
McDonough..	159	66,820	375	3.155	.0784	503	211,485	8,290	219,775
McHenry.....	128	79,119	202	2.808	.0728	359	222,166	8,081	230,197
McLean.....	641	566,520	982	3.551	.0698	2,376	2,011,712	70,309	2,082,021
Menard.....	92	75,313	207	2.666	.0709	245	200,784	7,118	207,902
Mercer.....	90	45,670	256	1.707	.0786	137	77,959	3,064	81,023
Monroe.....	41	27,600	81	1.841	.0776	75	50,812	1,972	52,784

Table II.—Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years	Average rate of Interest.....	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
	No.	Amounts.	Lots.			Whole No. of mortgages.	WHOLE AMOUNTS.			Whole number of lots.
							Principal.	Interest.	Total.	
Montgomery	249	\$187,452	492	8.751	.0776	934	\$515,582	\$30,005	\$535,587	1,845
Morgan	272	233,422	368	2.842	.0679	773	603,336	22,522	686,907	1,103
Montrie	56	82,390	155	2.640	.0744	148	86,509	3,181	88,690	409
Ogle	84	46,079	221	2.264	.0725	190	104,323	3,732	108,105	500
Peoria	1,068	1,196,222	1,661	8.480	.0729	3,682	4,182,852	151,736	4,314,588	5,780
Perry	78	86,825	133	2.838	.0756	221	104,509	3,950	108,459	377
Platt	124	59,096	264	3.061	.0764	840	180,899	6,910	187,809	908
Pike	107	84,742	221	2.211	.0797	237	76,814	3,061	79,875	489
Pope	13	2,931	15	2.088	.0800	27	6,099	244	6,343	31
Pulaski	14	6,947	26	1.009	.0800	14	7,009	290	7,299	19
Putnam	18	5,840	36	1.529	.0739	28	8,929	330	9,259	55
Randolph	74	35,604	141	2.684	.0746	199	96,561	3,564	99,125	373
Richland	104	61,027	193	2.066	.0782	215	126,082	4,930	131,012	409
Rock Island	430	419,088	640	4.548	.0715	1,956	1,906,012	68,140	1,974,152	2,911
Saline	38	12,702	56	1.270	.0769	48	16,132	620	16,752	71
Sangamon	746	647,493	1,075	8.349	.0737	2,498	2,168,454	79,908	2,248,362	3,600
Schuyler	60	34,303	115	2.420	.0795	135	82,771	3,290	86,061	278
Scott	44	22,126	116	2.419	.0782	106	53,523	2,083	55,616	281
Shelby	298	134,922	499	5.711	.0757	1,702	770,539	29,165	799,704	2,850
Stark	39	16,312	92	1.495	.0780	58	24,846	951	25,797	137
St. Clair	614	567,818	1,154	3.071	.0728	1,886	1,743,769	63,473	1,807,242	3,544
Stephenson	320	272,716	562	3.710	.0704	1,187	1,011,776	35,614	1,047,390	2,065
Tazewell	189	115,153	356	3.044	.0710	575	350,522	12,444	362,970	1,054
Union	75	36,678	113	3.612	.0797	271	132,481	5,279	137,760	426
Vermilion	550	427,809	756	5.191	.0708	2,855	2,320,756	78,615	2,399,371	3,924
Wabash	123	45,866	144	3.843	.0798	418	153,330	6,118	159,448	81
Warren	127	84,977	190	2.848	.0756	362	242,014	9,148	251,162	541
Washington	79	41,006	291	3.835	.0779	803	157,258	6,125	163,383	1,116
Wayne	113	41,106	166	3.412	.0702	386	140,250	4,923	145,173	566
White	106	59,574	220	1.784	.0775	189	106,280	4,118	110,398	392
Whiteside	215	127,849	450	3.663	.0756	787	468,311	17,699	486,010	1,548
Will	713	750,143	1,034	4.447	.0720	3,171	3,335,886	120,092	3,455,978	4,689
Williamson	56	17,409	116	1.704	.0800	95	29,665	1,187	30,852	194
Winnebago	392	414,098	513	4.082	.0706	1,600	1,690,318	59,669	1,750,017	2,094
Woodford	69	38,067	176	2.469	.0779	204	112,640	4,387	117,027	521



TABLE III.—*Mortgages on Personal Property—1887.*

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.		Average term— Months.	Average rate of interest.	Whole No. of mort- gages.	DERIVED TOTALS OF EXISTING INDEBT- EDNESS.		
						WHOLE AMOUNTS.		
	No.	Amounts.				Principal.	Interest.	Total.
The State.....	62,263	\$17,357,175	14.3225	.078258	74,740	\$20,730,779	\$1,623,408	\$22,354,187
Adams.....	366	\$130,607	10.85	.0741	381	\$118,091	\$8,751	\$126,842
Alexander.....	145	36,916	7.47	.0800	90	22,978	1,838	24,816
Bond.....	159	60,496	9.87	.0788	130	49,755	3,921	53,676
Boone.....	149	45,246	15.58	.0737	193	58,752	4,330	63,082
Brown.....	111	24,656	13.50	.0800	124	27,743	2,219	29,962
Bureau.....	372	157,604	14.94	.0799	463	196,222	15,678	211,900
Calhoun.....	88	15,710	12.63	.0780	92	16,533	1,290	17,823
Carroll.....	244	58,806	12.68	.0771	257	62,145	4,791	66,936
Cass.....	209	90,435	10.83	.0772	188	81,615	6,300	87,915
Champaign.....	906	212,954	11.40	.0781	861	202,304	15,800	218,104
Christian.....	458	141,972	12.74	.0793	487	150,727	11,953	162,680
Clark.....	146	59,644	10.16	.0800	123	45,415	3,633	49,048
Clay.....	114	41,102	11.54	.0786	110	39,526	3,107	42,633
Clinton.....	174	52,414	16.15	.0729	224	70,543	5,143	75,686
Coles.....	270	99,121	9.85	.0781	222	81,361	6,354	87,715
Cook.....	30,790	7,873,928	15.91	.0789	40,822	10,439,522	823,678	11,263,200
Crawford.....	107	23,417	15.03	.0800	134	29,324	2,346	31,670
Cumberland.....	130	28,274	10.48	.0794	113	24,691	1,960	26,651
DeKalb.....	378	147,889	13.07	.0736	412	161,075	11,855	172,930
DeWitt.....	244	78,473	12.83	.0786	260	83,895	6,594	90,489
Douglas.....	304	82,191	12.59	.0793	319	86,229	6,838	93,067
DuPage.....	108	45,227	16.14	.0685	145	60,832	4,167	64,999
Edgar.....	390	153,900	10.91	.0795	355	139,921	11,124	151,045
Edwards.....	84	14,999	13.45	.0766	94	16,818	1,288	18,101
Efingham.....	198	42,363	13.11	.0693	216	46,278	3,207	49,485
Fayette.....	336	66,393	12.57	.0795	341	69,550	5,529	75,079
Ford.....	339	117,531	10.88	.0782	307	106,559	8,333	114,892
Franklin.....	107	8,795	9.13	.0800	81	6,692	535	7,227
Fulton.....	509	159,082	15.05	.0776	638	199,518	15,483	215,001
Gallatin.....	329	73,693	11.40	.0794	312	70,007	5,559	75,566
Greene.....	353	109,705	12.89	.0789	379	117,840	9,298	127,138
Grundy.....	266	82,742	15.90	.0791	351	109,631	8,672	118,303
Hamilton.....	302	45,170	11.86	.0799	298	44,641	3,567	48,208
Hancock.....	265	119,152	11.51	.0783	253	114,283	8,948	123,231
Hardin.....	75	10,086	10.45	.0807	65	8,788	709	9,497
Henderson.....	145	37,112	12.42	.0814	149	38,415	1,127	39,542
Henry.....	408	150,994	15.24	.0795	518	191,765	15,245	207,010
Iroquois.....	660	212,062	11.85	.0792	652	209,413	16,586	225,999
Jackson.....	330	69,051	14.65	.0794	403	84,296	6,699	90,995
Jasper.....	114	21,913	10.48	.0783	101	19,220	1,505	20,725
Jefferson.....	218	32,813	10.18	.0794	184	27,832	2,210	30,042
Jersey.....	191	61,224	15.02	.0799	239	76,632	6,333	82,965
Jo Daviess.....	194	55,849	13.00	.0755	209	60,502	4,568	65,070
Johnson.....	207	28,171	10.72	.0799	184	25,171	2,011	27,182
Kane.....	663	282,557	13.59	.0716	750	319,990	22,911	342,901
Kankakee.....	288	86,611	16.36	.0768	303	118,086	9,069	127,155
Kendall.....	184	71,537	14.96	.0738	229	89,176	6,582	95,758
Knox.....	500	170,091	11.44	.0788	476	162,151	12,777	174,928
Lake.....	152	51,272	12.87	.0661	162	54,994	3,635	58,629
LaSalle.....	543	240,237	12.67	.0775	573	253,653	19,658	273,311
Lawrence.....	86	18,741	12.25	.0790	87	19,135	1,512	20,647
Lee.....	427	169,288	14.11	.0769	536	199,050	15,307	214,357
Livingston.....	268	72,135	13.44	.0793	300	80,788	6,406	87,194
Logan.....	644	231,828	14.31	.0800	767	276,455	22,116	298,571
Macon.....	675	140,007	13.92	.0790	782	162,405	12,830	175,235
Macoupin.....	372	137,108	13.09	.0791	406	149,566	11,831	161,397
Madison.....	485	148,871	13.85	.0759	560	171,823	13,041	184,864
Marion.....	271	66,192	15.37	.0800	347	84,781	6,782	91,563
Marshall.....	145	49,013	14.23	.0749	171	58,115	4,353	62,468
Mason.....	361	125,849	15.74	.0787	472	165,081	12,992	178,073
Massac.....	94	12,806	12.01	.0760	94	12,815	974	13,789
McDonough.....	335	108,822	12.05	.0790	336	109,281	8,623	117,904
McHenry.....	376	120,016	15.30	.0769	479	153,015	11,767	164,782
McLean.....	708	213,449	12.89	.0791	760	229,274	18,136	247,410
Menard.....	224	77,736	10.30	.0799	192	66,723	5,331	72,054
Mercer.....	265	86,499	10.99	.0800	241	79,216	6,337	85,553



Table III.—Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.		Average term— Months.....	Average rate of Interest, .....	DERIVED TOTALS OF EXISTING INDEBT- EDNESS.			
	No.	Amounts.			Whole No. of mort- gages....	WHOLE AMOUNTS.		
						Principal.	Interest.	Total.
Monroe .....	243	\$59,758	16.25	.0789	335	\$121,584	\$9,589	\$131,123
Montgomery .....	300	89,993	13.87	.0785	309	92,763	7,282	100,045
Morgan .....	350	161,160	10.55	.0794	306	141,687	11,250	152,937
Moultrie .....	223	58,097	14.28	.08	271	69,129	5,530	74,639
Ogle .....	397	119,221	13.77	.0780	454	136,906	10,671	147,476
Peoria .....	909	312,290	15.30	.0782	1,156	396,167	31,137	426,304
Perry .....	327	29,322	12.19	.0794	231	29,792	2,365	32,157
Platt .....	276	147,341	10.21	.0799	234	125,353	10,016	135,374
Pike .....	527	129,861	12.40	.0799	544	134,193	10,732	144,915
Pope .....	145	19,029	14.98	.08	180	23,753	1,901	25,659
Pulaski .....	98	16,055	11.60	.0799	94	15,521	1,240	16,761
Putnam .....	66	33,470	15.14	.0756	83	42,226	3,192	45,417
Randolph .....	339	70,792	12.03	.0789	339	70,965	5,599	76,564
Richland .....	94	26,215	16.84	.0736	131	36,736	2,708	39,508
Rock Island .....	266	73,122	12.04	.0785	266	73,390	6,153	84,533
Saline .....	326	38,971	9.82	.0781	266	31,895	2,491	34,386
Sangamon .....	907	279,068	11.91	.0784	899	276,967	21,931	298,948
Schnaylor .....	204	54,919	13.68	.0788	233	62,613	4,934	67,547
Scott .....	201	51,672	10.37	.0799	173	44,653	3,568	48,321
Shelby .....	532	108,147	13.34	.0787	591	120,220	9,461	129,681
Stark .....	129	51,248	14.60	.0796	156	62,357	4,964	67,321
St. Clair .....	479	158,437	14.02	.0751	559	185,106	13,901	199,007
Stephenson .....	260	78,641	13.15	.0783	284	86,172	6,747	92,919
Tazewell .....	338	116,897	12.65	.0784	355	123,224	9,661	132,885
Union .....	244	49,635	14.86	.0792	302	61,461	4,868	66,329
Vermillion .....	711	146,680	11.60	.0782	687	141,787	11,068	152,875
Wabash .....	173	26,335	13.67	.08	197	30,689	2,455	33,144
Warren .....	342	127,892	11.81	.0798	337	125,871	10,045	135,916
Washington .....	294	76,013	15.59	.0784	393	98,747	7,742	106,489
Wayne .....	155	88,451	16.81	.0799	210	59,267	4,175	56,432
White .....	542	108,500	10.54	.0793	475	95,303	7,458	102,761
Whiteside .....	638	237,370	13.11	.0798	747	245,408	19,823	268,231
Will .....	385	141,477	16.24	.0753	494	191,470	14,418	205,888
Williamson .....	229	34,473	11.33	.0801	215	32,551	2,607	35,158
Winnebago .....	513	146,906	12.50	.0781	534	152,925	11,943	164,868
Woodford .....	124	59,680	16.17	.0706	167	80,413	5,077	86,090

## MORTGAGE INDEBTEDNESS.

LXXIII

*Mortgages Recorded in the Year 1887—Continued.*

GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS AND SEWING MACHINES.		MISCELLANEOUS.		TOTALS.	
No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	Whole No.	Whole Amounts.
31	\$6,069	3	\$775	14	\$1,785	25	\$11,477	800	\$89,998
13	3,594	1	472	22	2,653	36	7,291	850	161,160
15	3,161	7	.....	4	181	8	820	228	58,097
14	11,642	.....	3,469	11	861	2	1,190	397	119,221
12	4,060	5	1,072	31	5,300	14	2,494	909	312,280
32	3,182	2	598	14	1,173	3	200	227	29,822
9	2,508	5	5,761	6	650	7	915	275	147,841
107	26,685	9	4,192	.....	.....	34	12,255	527	129,861
5	701	.....	.....	3	123	6	1,839	145	19,029
5	275	.....	.....	.....	.....	9	997	95	16,055
1	1,325	1	2,876	1	65	2	650	66	83,470
95	15,423	6	1,057	1	70	22	14,117	329	70,792
1	100	.....	.....	.....	.....	.....	.....	94	96,215
6	1,673	1	840	5	1,499	11	1,955	296	78,122
13	959	7	782	1	110	30	11,693	326	88,971
24	10,949	1	800	51	5,957	16	10,798	907	273,068
6	1,202	.....	.....	1	70	4	982	204	54,919
41	17,417	2	780	6	1,840	1	700	201	51,672
3	967	1	100	6	705	8	4,667	532	108,147
9	2,651	3	984	1	113	6	577	129	51,248
53	26,279	.....	.....	8	1,736	.....	.....	479	158,437
9	4,372	9	1,961	17	2,451	1	500	290	79,641
23	6,195	4	1,094	5	696	17	8,844	338	116,897
24	7,802	.....	.....	6	682	.....	.....	244	49,635
14	4,062	4	2,042	92	11,079	5	1,734	711	146,680
21	2,412	.....	.....	4	368	2	752	178	26,935
13	5,560	3	2,575	2	850	1	135	342	127,892
98	21,921	4	1,915	2	116	1	100	294	76,013
2	1,526	.....	.....	1	50	2	2,859	155	38,451
73	14,477	1	50	1	80	3	350	542	108,500
28	8,749	10	4,215	4	431	9	3,402	688	227,370
13	2,845	3	772	56	11,878	26	16,256	365	141,477
11	1,342	3	489	3	310	1	86	229	34,473
6	1,586	3	945	29	4,712	25	9,292	513	146,806
4	1,375	1	620	.....	.....	.....	.....	124	59,690

TABLE VII.—*Mortgages on Lands—1880.*

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.	Average rate of interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
	No.	Amounts.	Acres.			Whole No. of mortgages.	WHOLE AMOUNTS.			Whole number of acres.
							Principal.	Interest.	Total.	
The State..	24,248		2,059,666		.0780	82,150		\$4,119,093		7,048,322
		\$30,512,566		3.547			\$106,247,959		\$112,367,054	
Adams .....	348	\$455,903	29,212	2.924	.0772	1,018	\$1,333,060	\$51,456	\$1,384,516	85,416
Alexander .....	27	10,437	2,340	1.947	.08	53	20,821	813	21,134	4,556
Bond .....	237	243,921	20,572	2.424	.0767	574	591,265	22,675	613,940	49,677
Boone .....	123	180,358	10,111	1.237	.0745	521	764,177	28,466	792,643	42,840
Brown .....	149	124,990	18,451	3.000	.0796	447	374,940	14,923	389,863	40,353
Bureau .....	444	821,775	44,453	4.515	.0781	2,005	3,710,914	144,888	3,855,202	200,714
Calhoun .....	85	71,510	11,610	2.969	.0818	252	212,313	8,684	220,997	34,470
Carroll .....	113	163,894	10,744	3.638	.0753	411	614,436	23,134	637,570	39,078
Cass .....	110	186,232	16,316	3.449	.0793	379	642,314	26,147	667,461	56,274
Champaign .....	586	599,044	49,245	4.003	.0781	2,146	2,357,043	86,193	2,443,126	197,133
Christian .....	340	459,839	31,894	3.542	.0775	1,204	1,628,746	63,114	1,691,860	111,196
Clark .....	248	124,132	16,148	2.555	.0781	634	317,157	12,335	329,542	41,253
Clay .....	136	68,769	11,776	3.468	.0796	336	169,722	6,755	176,477	27,582
Clinton .....	207	267,089	18,439	3.904	.0770	601	775,628	29,682	805,488	53,547
Coles .....	242	229,977	13,822	2.714	.0768	657	624,158	23,968	648,136	37,513
Cook .....	390	1,324,004	21,904	3.567	.0688	1,391	4,722,522	162,463	4,885,184	73,132
Crawford .....	131	65,739	7,567	2.317	.0791	304	152,296	6,023	158,319	17,538
Cumberland .....	198	114,755	10,103	3.823	.0746	738	439,282	16,335	455,667	36,674
DeKalb .....	256	454,491	24,719	4.203	.0773	1,076	1,910,226	73,829	1,984,055	108,894
DeWitt .....	164	212,341	14,811	3.800	.0777	623	806,896	31,348	838,244	56,232
Douglas .....	289	301,581	25,167	3.496	.0757	1,010	1,064,327	39,906	1,094,233	87,984
DuPage .....	150	292,354	9,773	3.964	.0719	595	1,158,991	41,662	1,200,553	39,764
Edgar .....	242	265,197	19,063	3.219	.0718	773	853,669	30,647	884,316	61,332
Edwards .....	123	63,718	7,823	1.915	.0732	236	122,030	4,710	126,739	14,979
Edgingham .....	205	127,657	16,418	3.184	.0735	653	406,460	14,937	421,397	52,275
Fayette .....	317	189,963	24,352	3.617	.0773	830	494,254	19,103	513,357	63,729
Ford .....	196	251,900	22,658	4.209	.0745	825	1,059,326	39,479	1,099,805	95,368
Franklin .....	177	84,417	13,181	2.471	.0799	437	206,594	8,333	214,927	32,570
Fulton .....	316	336,849	27,007	3.255	.0789	1,029	1,096,443	43,255	1,139,698	87,908
Gallatin .....	136	100,325	13,606	3.890	.0776	539	390,264	15,142	405,406	52,927
Greene .....	147	270,414	16,062	3.455	.0799	365	671,979	26,840	698,825	39,989
Grundy .....	102	298,105	17,009	4.452	.0764	721	1,327,163	50,698	1,377,861	75,734
Hamilton .....	219	90,854	15,181	2.688	.0788	589	244,216	9,561	253,777	40,807
Hancock .....	365	379,957	30,106	3.325	.0757	1,215	1,264,497	47,861	1,312,358	100,193
Hardin .....	47	10,377	3,232	1.784	.08	69	15,296	612	15,908	4,888
Henderson .....	112	157,107	11,901	2.764	.0795	310	434,344	17,261	451,505	32,894
Henry .....	376	654,958	34,286	3.634	.0785	1,395	2,412,935	94,705	2,507,570	136,310
Iroquois .....	532	627,524	51,218	4.053	.0757	2,156	2,543,371	96,267	2,639,638	207,567
Jackson .....	238	199,796	19,699	2.542	.0791	580	392,231	15,513	407,744	47,155
Jasper .....	213	101,267	17,991	3.985	.0750	840	403,549	15,133	418,682	71,694
Jefferson .....	232	134,675	17,636	2.752	.0793	522	393,283	12,023	415,313	39,716
Jersey .....	196	221,998	16,684	3.769	.0790	739	836,692	33,049	869,741	62,832
JoDavies .....	225	840,156	26,912	2.761	.0745	814	939,171	34,984	974,155	74,304
Johnson .....	79	19,190	5,552	1.411	.0781	112	27,135	1,072	27,242	7,851
Kane .....	232	403,379	15,467	4.452	.0712	1,033	1,748,943	68,332	1,817,275	68,859
Kankakee .....	270	837,172	26,622	4.560	.0762	1,251	1,537,504	58,579	1,596,083	121,396
Kendall .....	80	188,113	8,270	4.890	.0719	390	917,991	33,002	950,993	40,358
Knox .....	350	536,967	32,314	3.811	.0784	1,354	2,233,130	87,538	2,320,668	123,149
Lake .....	210	241,792	15,242	3.600	.0691	773	889,796	30,742	920,537	56,091
LaSalle .....	423	773,389	40,460	4.058	.0776	1,717	3,135,453	121,772	3,257,225	164,263
Lawrence .....	98	33,686	5,350	2.641	.0766	259	98,965	3,407	92,372	14,129
Lee .....	304	530,822	29,370	4.454	.0756	1,355	2,821,824	87,765	2,909,589	130,931
Livingston .....	406	555,465	38,102	3.251	.0759	1,726	2,351,262	99,611	2,450,893	161,972
Logan .....	207	376,047	25,585	3.823	.0732	792	1,439,508	53,545	1,493,073	97,989
Macon .....	269	866,263	21,355	3.686	.0773	992	1,350,045	52,517	1,402,562	78,715
Macoupin .....	395	477,139	29,139	2.735	.0790	1,092	1,319,289	52,112	1,371,401	80,569
Madison .....	400	675,512	28,090	3.104	.0773	1,242	2,096,789	81,041	2,177,830	87,160
Marion .....	269	202,801	22,773	2.995	.0756	906	607,389	22,959	630,448	68,804
Marshall .....	148	249,606	14,684	3.189	.0779	472	735,994	31,004	766,998	46,887
Massac .....	133	193,203	15,642	3.214	.0793	437	620,954	24,776	645,730	50,273
Masdon .....	102	56,973	9,567	1.735	.0729	176	98,278	3,582	101,860	16,508
McDonough .....	269	338,666	21,122	3.450	.0794	928	1,168,398	46,335	1,214,738	72,771
McHenry .....	390	466,921	27,762	4.718	.0742	1,368	2,297,298	85,230	2,382,523	130,961
McLean .....	505	716,056	52,648	3.529	.0769	1,782	2,526,962	97,162	2,624,124	135,796
Menard .....	145	181,506	11,118	3.496	.078	505	632,737	24,613	657,350	38,757
Mercer .....	196	301,132	19,681	2.716	.0794	582	818,010	32,475	850,485	53,454

Table VII.—Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.	Average rate of interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
						Whole No. of mortgages.	WHOLE AMOUNTS.			Whole number of acres.
	No.	Amounts.	Acres.				Principal.	Interest.	Total.	
Monroe ....	153	\$215,468	16,841 8.309	.0787		506	\$712,967	\$26,278	\$739,245	55,727
Montgomery	863	469,927	31,536 2.294	.0783		833	1,078,013	42,204	1,120,217	72,844
Morgan ....	263	379,587	18,212 2.854	.0782		756	1,083,341	41,275	1,124,616	51,977
Moultrie ...	170	166,020	11,545 3.607	.0778		613	598,834	23,265	622,139	41,648
Ogle .....	331	568,782	29,336 4.507	.0766	1,492	2,563,500	96,900	2,660,400	132,217	
Peoria .....	851	488,026	30,372 4.089	.0782	1,435	1,905,538	76,081	2,071,568	124,191	
Perry .....	244	132,688	17,537 2.690	.0796		656	357,469	14,227	371,696	47,176
Platt .....	216	276,674	17,463 3.923	.0753		848	1,057,661	40,907	1,128,468	68,596
Pike .....	396	498,187	34,619 2.453	.0796		976	1,222,053	48,688	1,270,691	84,920
Pope .....	63	15,011	4,728 1.566	.0803		99	23,507	944	24,451	7,404
Pulaski ....	37	12,632	2,348 2.604	.0737		96	32,894	1,212	34,106	6,114
Putnam ....	61	76,739	6,598 3.418	.0783		208	262,294	10,269	272,563	22,552
Randolph...	275	294,130	23,278 2.587	.0797		711	760,888	30,321	791,209	65,894
Richland...	149	69,893	8,362 2.403	.0784		359	168,302	6,681	174,983	20,138
Rock Island	234	377,109	19,864 4.214	.0782		966	1,589,187	62,134	1,651,271	83,707
Saline .....	128	37,693	8,296 1.446	.0782		185	54,403	2,127	56,530	11,996
Sangamon...	304	611,315	26,984 4.075	.0757	1,239	2,613,359	98,906	2,712,265	109,980	
Schuyler...	221	155,578	21,172 2.065	.0773		463	325,986	12,597	338,533	42,260
Scott .....	49	85,104	4,037 1.560	.0787		76	132,762	5,224	137,986	6,298
Shelby .....	271	220,304	20,684 3.303	.0752		896	728,766	27,402	756,168	68,419
Stark .....	173	338,590	15,763 3.963	.0797		686	1,823,685	52,749	1,876,434	62,548
St. Clair...	197	379,008	15,572 2.344	.0745		470	908,555	33,657	957,212	37,124
Stephenson	423	509,561	28,901 3.906	.0765	1,648	1,990,345	76,131	2,066,476	112,887	
Tazewell...	249	418,061	22,229 3.691	.0766		919	1,543,026	59,093	1,602,124	82,047
Union .....	123	78,657	13,169 2.572	.0763		329	202,806	7,769	210,075	33,871
Vermilion...	453	501,891	34,546 2.923	.0741	1,324	1,467,027	54,353	1,521,380	101,855	
Wabash ....	105	73,423	7,757 2.292	.0799		349	248,233	9,919	258,212	26,536
Warren .....	205	873,460	17,805 3.019	.0802	625	1,133,680	45,661	1,184,311	54,287	
Washington	343	850,004	26,772 2.890	.0759	1,086	1,011,512	38,387	1,049,899	77,871	
Wayne .....	447	151,949	28,118 2.216	.03	1,451	493,226	19,729	512,955	91,271	
White .....	314	230,748	27,178 2.207	.0783		698	509,261	19,938	529,199	59,982
Whiteside...	331	494,186	33,653 3.926	.0789	1,496	1,940,174	74,600	2,014,774	132,161	
Will .....	412	730,045	36,646 3.843	.0732	1,583	2,806,563	102,684	2,908,247	140,984	
Williamson	110	33,277	7,701 1.843	.0803		203	61,330	2,462	63,792	14,183
Winnebago	288	492,070	21,963 3.373	.0724	1,547	2,821,512	84,039	2,405,551	117,807	
Woodford...	193	234,474	16,433 3.553	.0778		687	1,013,158	19,373	1,051,531	58,469

a Estimated from the totals of 1887—the records of 1880 destroyed by fire.

TABLE VIII.—Mortgages on Lots—1880.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.	Average rate of Interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
	No.	Amounts.	Lots.			Whole No. of mortgages.	WHOLE AMOUNTS.			Whole number of lots.
							Principal.	Interest.	Total.	
The State..	17,557	\$22,097,917	34,282	2.940	.0764	50,516	\$76,599,928	\$2,746,858	\$79,246,851	106,506
Adams.....	228	\$248,511	385	2.865	.0745	653	\$711,984	\$26,521	\$738,505	960
Alexander....	64	65,460	180	2.885	.0744	153	156,096	5,977	161,906	429
Bond.....	56	31,275	101	1.532	.0785	86	47,913	1,881	49,794	155
Boone.....	56	27,140	117	2.764	.0777	155	75,005	2,914	77,919	133
Brown.....	18	15,759	42	3.177	.08	57	50,066	2,008	52,069	103
Bureau.....	111	47,715	310	3.466	.0797	385	165,860	6,590	171,970	1,074
Calhoun.....	13	4,735	29	1.484	.08	19	7,012	280	7,292	43
Carroll.....	26	10,980	41	3.018	.08	78	82,967	1,319	84,306	124
Cass.....	85	38,488	169	2.909	.0856	247	111,662	4,792	116,754	493
Champaign...	236	129,445	380	3.112	.0742	708	402,838	14,945	417,778	1,183
Christian....	88	42,454	175	1.680	.0789	149	71,323	2,814	74,137	234
Clark.....	70	27,323	142	2.718	.0797	190	74,264	2,959	77,233	336
Clay.....	29	16,262	56	1.626	.0791	47	26,442	1,046	27,488	91
Clinton.....	49	19,287	76	2.048	.0725	100	39,403	1,428	40,831	155
Coles.....	131	76,949	231	2.531	.0787	332	194,758	7,664	202,422	585
Cook.....	6,891	14,857,733	12,267	3.723	.0699	26,655	55,815,340	1,983,271	57,248,611	45,558
Crawford....	33	13,665	70	2.652	.0797	88	36,240	1,444	37,684	186
Cumberland..	a 50	24,898	77	2.902	.08	145	72,254	2,690	75,144	223
DeKalb.....	143	80,580	214	2.643	.0783	378	212,973	6,338	221,311	566
DeWitt.....	80	82,598	203	2.311	.0789	185	75,834	2,972	78,306	469
Douglas.....	70	21,430	131	2.234	.0772	156	47,875	1,848	49,723	268
DuPage.....	89	64,985	223	2.690	.0753	239	174,675	6,577	181,252	600
Edgar.....	111	75,845	171	2.867	.0793	263	179,525	7,118	186,643	405
Edwards.....	21	6,864	33	1.145	.0753	24	7,859	296	8,155	37
Efingham....	49	26,623	126	1.639	.0728	80	41,946	1,529	43,525	207
Fayette.....	46	16,992	116	2.405	.0797	111	40,866	1,629	42,495	279
Ford.....	40	14,732	108	1.697	.0781	68	25,000	976	25,976	153
Franklin....	26	7,702	34	2.568	.08	67	19,779	791	20,570	87
Fulton.....	108	53,278	233	2.213	.0786	239	117,904	4,634	122,538	516
Gallatin....	36	13,702	61	2.406	.0779	87	32,967	1,364	34,251	147
Greene.....	63	81,699	91	2.289	.0802	144	72,559	2,910	75,469	206
Grundy.....	82	43,198	75	3.815	.0787	272	143,185	5,634	148,819	2,513
Hamilton....	18	5,513	38	2.097	.0778	38	11,561	450	12,011	80
Hancock....	102	38,334	281	2.245	.0799	229	86,060	3,438	89,498	535
Hardin.....	a 10	2,042	15	1.	.08	10	2,042	82	2,124	15
Henderson...	18	7,229	39	1.717	.0803	31	12,412	498	12,910	67
Henry.....	179	107,259	312	2.897	.0797	519	310,729	12,383	323,112	904
Iroquois....	94	42,454	174	1.817	.0787	171	77,139	4,085	80,174	316
Jackson....	115	51,075	189	2.312	.0793	254	112,878	4,479	117,457	418
Jasper.....	23	9,060	29	1.433	.0784	33	13,953	509	13,492	42
Jefferson....	43	19,542	57	1.100	.0815	47	21,496	876	22,372	63
Jersey.....	71	49,905	172	2.982	.0793	206	146,321	5,802	152,123	504
Jo Daviess..	69	36,195	157	1.804	.0756	124	65,296	2,468	67,764	298
Johnson....	14	3,586	19	2.590	.0811	36	9,298	423	9,711	49
Kane.....	368	261,227	618	3.413	.0756	1,222	891,568	33,701	925,269	2,099
Kankakee...	107	76,406	261	3.599	.0774	385	274,985	10,642	285,627	903
Kendall....	14	8,257	25	3.410	.08	48	28,156	1,126	29,282	85
Knox.....	235	146,099	445	2.565	.0792	603	374,744	14,840	389,584	1,141
Lake.....	86	66,435	125	3.585	.0702	289	223,069	7,890	230,919	430
LaSalle....	389	245,548	722	2.446	.0739	951	600,610	22,198	622,808	1,766
Lawrence...	17	7,477	28	2.041	.0771	35	15,261	585	15,849	57
Lee.....	106	120,064	133	3.851	.0781	352	402,401	14,708	417,109	446
Livingston..	202	51,618	274	2.976	.0783	601	153,615	6,014	159,629	813
Logan.....	95	60,060	286	2.011	.0780	191	120,761	4,710	125,491	595
Macon.....	237	135,787	478	2.884	.0783	684	391,610	15,382	406,943	1,379
Macoupin...	130	101,739	278	2.823	.0787	302	236,340	9,300	245,640	646
Madison....	200	107,358	468	2.183	.0781	437	234,138	9,143	243,276	1,022
Maion.....	123	54,988	239	3.405	.0772	419	187,234	7,227	194,461	814
Marshall...	46	27,470	107	1.948	.0779	90	53,512	2,064	55,596	306
Mason.....	55	22,779	118	2.191	.0781	121	49,909	1,949	51,858	259
Massac....	36	20,533	96	1.176	.0687	42	24,170	830	25,000	113
McDonough.	106	53,904	272	2.845	.0814	238	121,014	4,925	126,939	611
McHenry....	94	49,597	192	2.953	.0738	268	141,500	5,221	146,721	548
McLean....	373	257,046	633	2.896	.0774	1,090	744,405	28,808	773,213	1,823
Menard.....	77	40,029	210	2.505	.08	193	100,273	4,011	104,284	526
Mercer.....	43	19,502	366	1.704	.0797	73	33,231	1,324	34,555	624
Monroe....	59	42,313	145	2.306	.0761	130	98,942	3,505	96,847	320

Table VIII.—Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Year.	Average rate of Interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
						Whole No. of mortgages.	WHOLE AMOUNTS.			Whole number of lots.
	No.	Amounts.	Lots.				Principal.	Interest.	Total.	
Montgomery	111	\$55,090	806	1.692	.0686	188	\$98,212	\$3,663	\$96,875	518
Morgan	188	183,695	827	2.882	.0767	542	529,499	20,308	549,712	942
Moultrie	27	8,733	87	2.686	.0794	73	28,457	981	24,388	234
Ogle	110	60,998	287	2.695	.0792	296	164,363	6,509	170,872	1,048
Peoria	571	683,551	1,112	4.565	.0750	2,607	2,663,910	99,897	2,763,807	5,076
Perry	48	27,950	82	3.109	.0778	149	86,869	3,379	90,248	255
Platt	72	21,958	174	2.897	.0785	173	52,629	2,066	54,695	417
Pike	141	82,798	375	2.731	.0806	335	226,121	9,113	235,234	1,024
Pope	6	1,927	91	.08		6	1,927	77	2,004	9
Pulaski	9	1,749	14	2.808	.0783	25	4,911	192	5,103	39
Putnam	14	3,610	48	2.614	.0806	37	6,437	380	9,817	125
Randolph	84	68,052	199	2.857	.0776	240	188,711	7,312	196,023	569
Richland	61	26,618	95	1.690	.0784	103	44,984	1,768	46,747	161
Rock Island	357	267,215	574	2.857	.0776	1,013	758,089	29,414	787,503	1,629
Saline	27	12,579	45	2.381	.0855	64	29,951	1,380	31,331	107
Sangamon	395	426,686	797	4.120	.0785	1,627	1,757,740	67,234	1,824,974	3,284
Schuyler	33	15,532	79	1.327	.0789	44	20,611	818	21,424	105
Scott	13	6,770	18	1.588	.08	30	9,145	366	9,511	29
Shelby	85	41,012	146	3.132	.0806	266	128,450	5,177	133,627	457
Stark	34	15,317	64	2.198	.08	70	33,667	1,347	35,014	141
St. Clair	272	267,844	695	2.550	.0743	694	657,502	24,426	681,928	1,772
Stephenson	219	164,127	478	2.985	.0778	654	489,919	19,058	508,977	1,427
Tazewell	117	76,318	275	2.692	.0770	315	205,448	7,910	213,358	740
Union	40	26,893	79	2.691	.0769	108	72,369	2,793	75,162	218
Vermilion	320	158,244	304	2.908	.0785	653	469,668	17,965	487,633	902
Wabash	50	32,198	81	1.444	.08	72	46,494	1,880	48,354	117
Warren	80	72,195	115	4.567	.0799	373	336,212	13,432	349,644	596
Washington	75	35,763	167	2.124	.0788	159	75,961	2,993	78,954	355
Wayne	a 113	41,105	166	3.412	.08	356	140,250	5,610	145,860	566
White	112	45,169	200	1.643	.0786	194	74,313	2,917	77,130	329
Whiteside	151	120,902	369	2.805	.0788	424	339,130	13,362	352,492	1,085
Will	296	312,372	533	2.464	.0693	729	769,665	26,670	796,355	1,313
Williamson	13	1,904	24	.08		13	1,904	76	1,980	24
Winnebago	223	283,490	296	3.181	.0738	709	901,782	33,276	935,058	942
Woodford	61	25,068	195	1.752	.0798	107	49,919	1,741	45,660	342

a Estimated from the totals of 1887—the records of 1880 destroyed by fire.

TABLE IX.—*Mortgages on Personal Property—1880.*

COUNTIES.	MORTGAGES RECORDED DUR- ING THE YEAR.		Average term— Months.....	Average rate of interest.....	DERIVED TOTALS OF EXISTING INDEBT- EDNESS.			
	No.	Amounts.			Whole No. of mort- gages.....	WHOLE AMOUNTS.		
						Principal.	Interest.	Total.
The State .....	38,176	\$10,445,345	13.56	.0796	43,124	\$11,806,187	\$939,272	\$12,747,459
Adams.....	284	\$96,981	10.43	.0795	247	\$84,254	\$6,696	\$90,952
Alexander.....	133	19,505	7.28	.08	80	11,830	946	12,776
Bond.....	72	21,826	9.51	.0795	57	17,899	1,423	19,322
Boone.....	121	33,207	13.74	.0776	137	38,019	2,950	40,969
Brown.....	87	11,298	11.72	.08	64	11,040	883	11,923
Bureau.....	810	109,743	11.63	.0801	800	106,856	8,519	114,875
Calhoun.....	72	16,503	10.18	.0779	61	13,998	1,090	15,088
Carroll.....	155	53,896	14.53	.0778	187	64,659	5,080	69,639
Cass.....	142	47,810	11.07	.0793	181	43,703	3,466	47,169
Champaign.....	911	278,908	11.11	.0792	848	258,131	20,444	278,574
Christian.....	333	110,206	12.53	.0799	348	115,076	9,195	124,271
Clark.....	179	66,541	12.47	.0799	186	69,146	5,535	74,671
Clay.....	92	22,305	11.86	.08	91	27,978	2,238	30,216
Clinton.....	107	36,870	13.24	.0714	118	40,647	2,905	43,552
Coles.....	198	72,926	8.86	.0796	138	50,404	4,034	54,438
Cook.....	13,923	3,828,231	14.85	.0799	17,229	4,118,692	\$23,063	4,447,775
Crawford.....	78	31,418	13.18	.0824	86	34,505	2,843	37,348
Cumberland.....	a 130	28,274	10.48	.08	113	24,691	1,975	26,666
DeKalb.....	436	129,683	13.78	.0804	464	138,113	11,104	149,217
DeWitt.....	226	64,012	15.60	.079	293	83,210	6,640	89,850
Douglas.....	181	53,442	12.72	.0780	191	56,655	4,476	61,131
DuPage.....	91	33,413	17.42	.0769	181	48,497	3,729	52,226
Edgar.....	200	67,917	13.72	.0762	228	77,635	5,917	83,572
Edwards.....	51	10,612	15.39	.0729	64	13,516	965	14,501
Effingham.....	126	23,998	10.22	.0763	107	20,440	1,560	22,000
Fayette.....	251	47,775	11.71	.0796	245	46,618	3,730	50,538
Ford.....	453	105,909	10.61	.0774	400	98,548	7,341	100,789
Franklin.....	79	14,570	11.84	.0795	77	14,374	1,143	15,517
Fulton.....	374	99,067	15.05	.0837	468	124,368	10,401	134,669
Gallatin.....	217	42,026	12.41	.08	223	43,460	3,477	46,937
Greene.....	177	49,243	12.46	.0797	183	51,136	4,076	55,212
Grundy.....	292	78,556	13.77	.08	300	90,138	7,211	97,349
Hamilton.....	153	48,780	13.85	.0798	233	74,593	5,878	80,471
Hancock.....	239	61,139	10.62	.0840	201	54,109	4,545	58,654
Hardin.....	a 75	10,066	10.45	.08	65	8,788	708	9,491
Henderson.....	151	35,678	11.66	.0806	146	34,665	2,801	37,466
Henry.....	408	134,626	12.80	.0803	435	143,603	11,531	155,134
Iroquois.....	648	235,939	13.94	.0796	990	274,086	21,817	295,903
Jackson.....	236	61,636	14.54	.08	346	74,677	5,974	80,651
Jasper.....	32	16,887	13.34	.0794	35	18,769	1,490	20,259
Jefferson.....	190	45,501	13.18	.0788	208	49,979	3,913	53,892
Jersey.....	118	36,729	11.82	.08	116	36,181	2,894	39,075
Jo Daviess.....	169	50,369	15.96	.0780	225	67,068	5,231	72,299
Johnson.....	77	9,578	9.87	.0805	63	7,876	634	8,510
Kane.....	247	90,268	13.18	.0739	381	121,330	8,966	130,296
Kankakee.....	285	80,101	15.75	.0788	373	105,131	8,293	113,414
Kendall.....	88	81,613	15.53	.0782	107	40,906	3,223	44,229
Knox.....	582	184,736	13.98	.0708	676	214,438	17,005	231,443
Lake.....	101	26,992	15.73	.0694	134	35,377	2,455	37,832
LaSalle.....	548	214,297	13.49	.0794	615	239,904	19,048	258,952
Lawrence.....	60	19,343	13.83	.0734	69	22,294	1,636	23,930
Lee.....	381	135,582	13.76	.0795	436	155,474	12,360	167,834
Livingston.....	438	112,350	12.27	.0797	442	114,894	9,156	124,040
Logan.....	427	168,610	12.55	.0799	445	176,340	14,090	190,430
Macon.....	378	96,794	12.03	.0810	379	97,084	7,860	104,944
Macoupin.....	200	69,535	11.73	.0797	196	68,265	5,441	73,706
Madison.....	284	75,967	14.49	.0783	306	91,751	7,184	98,935
Marion.....	153	55,917	15.37	.0785	195	71,634	5,622	77,246
Marshall.....	128	47,139	15.51	.0799	164	60,928	4,868	65,791
Mason.....	345	88,424	14.79	.0801	424	108,998	9,730	117,718
Massac.....	42	5,164	11.69	.0757	41	5,027	381	5,408
McDonough.....	228	81,806	8.89	.0808	169	61,603	4,866	66,469
McHenry.....	376	90,665	16.41	.0776	377	123,978	9,621	133,599
McLean.....	656	160,445	12.59	.0797	697	166,332	13,416	181,744
Menard.....	167	52,321	11.34	.0796	156	49,006	3,801	52,807
Mercer.....	237	88,736	13.38	.08	236	99,012	7,921	106,933
Monroe.....	145	44,844	14.10	.08	169	57,387	4,591	61,973

Table IX--Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.		Average term— Months.....	Average rate of Interest.....	DERIVED TOTALS OF EXISTING INDEBTEDNESS.			
					Whole No. of mort- gages...	WHOLE AMOUNTS.		
	No.	Amounts.				Principal.	Interest.	Total.
Montgomery.....	156	\$59,473	15.57	.0794	156	\$77,165	\$6,127	\$23,292
Morgan.....	266	110,988	10.41	.0802	222	96,293	7,723	104,016
Moultrie.....	121	81,605	13.34	.08	133	85,138	2,511	87,649
Ogle.....	351	105,482	13.58	.0799	367	110,578	8,865	119,413
Peoria.....	530	132,508	14.25	.0799	626	223,599	18,266	246,864
Perry.....	309	39,943	12.08	.0811	214	40,048	8,248	43,296
Platt.....	226	101,135	9.80	.0799	165	88,457	6,695	90,125
Pike.....	259	64,979	10.76	.08	231	53,265	4,661	62,926
Pope.....	120	12,904	11.57	.09	116	12,438	995	13,433
Pulaski.....	110	15,981	11.41	.08	104	15,152	1,212	16,364
Putnam.....	33	7,969	13.27	.0788	36	8,811	694	9,505
Randolph.....	246	61,190	12.73	.0808	261	64,910	5,213	70,123
Richland.....	94	17,712	13.08	.0787	102	19,306	1,519	20,825
Rock Island.....	228	94,685	15.18	.0790	238	119,770	9,461	129,231
St. Clair.....	141	17,314	11.04	.0785	139	15,931	1,251	17,182
Saline.....	797	189,005	10.75	.0801	714	169,312	13,562	182,874
Sangamon.....	130	29,509	12.73	.0809	137	31,308	2,532	33,835
Schuyler.....	134	35,635	12.68	.08	130	37,511	3,001	40,512
Scott.....	331	94,812	13.63	.0794	375	107,691	8,551	116,242
Shelby.....	132	40,901	13.81	.0811	151	47,064	3,317	50,381
Stark.....	258	95,187	11.33	.0789	244	89,370	7,101	96,971
Stephenson.....	216	73,087	16.67	.0796	300	108,472	8,684	117,156
Tazewell.....	198	81,871	9.60	.0767	159	65,501	5,024	70,525
Union.....	158	41,371	13.86	.0792	133	47,665	3,775	51,440
Vermillion.....	647	118,734	10.22	.0792	551	101,117	8,008	109,125
Wabash.....	119	18,969	10.14	.06	100	16,081	1,232	17,313
Warren.....	336	120,951	13.04	.0783	335	131,430	10,422	141,852
Washington.....	123	33,363	17.50	.0807	134	48,668	8,923	52,596
Wayne.....	a 155	38,451	16.31	.06	210	52,257	4,181	56,438
White.....	347	79,721	11.67	.0805	337	77,594	6,241	83,735
Whiteside.....	533	142,236	15.19	.08	674	180,108	14,406	194,517
Will.....	317	131,633	14.63	.0779	336	160,476	12,501	172,977
Williamson.....	115	20,026	13.30	.0786	125	22,031	1,733	23,763
Winnebago.....	335	51,806	14.30	.0794	339	97,433	7,740	105,233
Woodford.....	179	55,670	13.36	.0791	199	65,517	5,167	70,484

a Estimated from the totals of 1887—the records of 1880 destroyed by fire.



TABLE X.—All Mortgages and Totals of Existing Indebtedness—1880—Principal and Interest.

COUNTIES.	LANDS.			LOTS.			CHATELNS.		TOTAL.
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole amounts.
The State.....	82,150	\$112,387,064	7,048,322	55,516	\$79,346,851	106,506	43,124	\$12,747,429	\$204,461,364
Adams.....	1,018	\$1,884,516	85,416	653	\$738,505	960	247	\$90,952	\$2,213,973
Alexander.....	53	21,134	4,556	153	161,905	429	80	12,776	195,815
Bond.....	574	613,940	49,867	86	48,794	155	57	19,322	683,056
Boone.....	621	792,043	42,940	155	77,919	323	137	40,969	911,531
Brown.....	447	839,863	40,853	57	52,069	133	64	11,923	853,855
Bureau.....	2,005	3,855,302	200,714	385	171,070	1,074	300	114,875	4,142,407
Calhoun.....	252	220,697	34,470	19	7,292	43	61	15,088	243,377
Carroll.....	411	637,570	39,067	78	34,306	124	187	69,689	741,565
Cass.....	379	667,461	56,274	247	116,754	492	131	47,169	831,394
Champaign.....	2,146	2,444,126	197,128	703	417,778	1,183	843	278,574	3,140,478
Christian.....	1,204	1,691,200	111,198	148	74,137	294	346	124,371	1,930,268
Clark.....	634	329,542	41,265	190	77,223	386	186	74,671	481,436
Clay.....	336	170,477	27,682	47	27,483	91	91	30,216	224,181
Clinton.....	601	806,488	53,547	100	40,831	155	118	42,592	899,911
Coles.....	657	648,126	37,513	232	202,422	586	138	54,858	905,406
Cook.....	1,391	4,885,184	73,132	25,055	57,248,611	45,538	17,229	4,447,775	66,581,570
Crawford.....	904	158,319	17,653	88	37,694	196	86	37,348	233,351
Cumberland.....	a 758	458,667	38,674	145	75,144	223	113	26,666	557,477
DeKalb.....	1,076	1,964,055	103,894	378	221,311	566	464	149,217	2,354,583
DeWitt.....	623	838,244	56,282	185	78,306	469	293	89,850	1,006,400
Douglas.....	1,010	1,094,233	87,964	156	49,723	293	191	61,131	1,205,067
DuPage.....	595	1,200,553	38,764	239	181,252	600	131	52,226	1,434,031
Edgar.....	779	884,316	61,332	263	186,643	405	226	83,572	1,154,531
Edwards.....	236	126,730	14,979	24	8,155	38	64	14,501	149,886
Effingham.....	653	421,397	52,275	80	43,525	207	107	22,000	486,922
Fayette.....	890	513,357	63,729	111	42,495	279	245	50,338	606,190
Ford.....	325	1,099,305	95,868	68	25,976	183	400	100,799	1,226,070
Franklin.....	437	216,927	32,570	67	20,570	87	77	15,517	253,014
Fulton.....	1,029	1,139,698	87,908	239	132,538	516	468	134,669	1,396,906
Gallatin.....	629	405,406	52,927	87	34,251	147	228	46,937	486,594
Greene.....	365	688,825	39,989	144	75,469	208	133	55,212	839,506
Grundy.....	721	1,877,661	75,724	272	148,819	2,513	300	97,349	1,924,029
Hamilton.....	589	263,777	40,807	38	12,011	80	233	80,471	346,259
Hancock.....	1,215	1,312,358	100,193	229	89,498	853	201	58,654	1,460,510
Hardin.....	a 69	15,908	4,838	10	2,124	15	65	9,491	27,523
Henderson.....	310	451,505	32,894	31	12,910	67	146	37,466	501,881
Henry.....	1,385	2,507,570	126,310	519	323,112	904	435	155,134	2,985,816
Iroquois.....	2,156	2,639,638	207,587	171	80,174	316	990	295,905	3,015,717
Jackson.....	580	407,744	47,155	254	117,457	418	846	80,651	605,852
Jasper.....	849	418,682	71,094	3	13,492	42	35	20,259	452,433
Jefferson.....	522	315,313	39,716	47	22,872	63	306	53,892	391,577
Jersey.....	739	869,741	62,882	208	152,123	504	116	39,075	1,060,939
Jo Davies.....	814	974,156	74,304	124	67,764	288	225	72,299	1,114,218
Johnson.....	112	28,207	7,851	36	9,711	49	63	8,510	46,428
Kane.....	1,033	1,869,775	68,859	1,222	925,269	2,099	331	130,296	2,915,340
Kankakee.....	1,231	1,596,083	121,396	386	285,627	903	373	113,414	1,995,124
Kendall.....	390	960,993	40,368	48	29,282	85	107	44,129	1,024,404
Knox.....	1,384	2,320,658	123,149	603	389,584	1,141	676	231,443	2,941,685
Lake.....	773	920,537	56,091	289	230,919	420	134	37,832	1,189,283
LaSalle.....	1,717	3,260,225	164,268	951	622,808	1,766	615	258,952	4,141,980
Lawrence.....	269	92,372	14,129	35	15,849	57	69	23,280	132,151
Lee.....	1,355	2,409,589	130,931	352	417,109	446	436	167,834	2,994,532
Livingston.....	1,726	2,450,893	161,972	601	159,629	815	442	124,040	2,734,562
Logan.....	792	1,495,073	97,939	191	125,491	593	445	190,430	1,810,994
Macon.....	992	1,402,562	78,715	684	406,942	1,379	379	104,894	1,914,398
Macoupin.....	1,062	1,371,401	80,569	302	245,640	646	196	78,706	1,690,747
Madison.....	1,342	2,177,830	87,160	437	243,276	1,022	306	98,985	2,530,041
Marion.....	306	630,348	63,904	419	194,461	814	195	77,246	902,055
Marshall.....	472	826,998	46,287	90	55,596	208	164	65,791	943,375
Mason.....	427	645,730	50,273	121	51,868	259	434	117,718	815,306
Massac.....	176	101,680	16,503	42	25,000	113	41	5,408	132,268
McDonough.....	928	1,214,783	72,371	233	125,939	611	169	65,469	1,406,191
McHenry.....	1,368	2,382,523	130,981	268	146,721	543	377	133,599	2,662,943
McLean.....	1,732	2,624,124	135,795	1,060	773,213	1,833	687	181,744	3,579,061
Menard.....	505	637,350	38,757	133	104,384	526	156	52,907	814,541
Mercer.....	532	850,486	53,454	73	34,555	624	286	106,933	991,973

Table X.—Continued.

COUNTIES.	LANDS.			LOTS.			CHATELNS.		TOTAL.
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole amounts.
Monroe.....	506	\$739,340	55,727	130	\$96,847	320	169	\$61,978	\$898,065
Montgomery ..	833	1,120,217	72,344	188	96,875	518	158	83,292	1,300,384
Morgan.....	756	1,124,616	54,977	542	549,712	942	222	104,016	1,778,344
Moultrie.....	613	632,129	41,643	73	24,888	234	133	37,949	694,466
Ogle.....	1,492	2,660,400	182,217	266	170,872	1,043	367	119,413	2,960,685
Peoria.....	1,435	2,071,568	124,191	2,607	2,763,807	5,076	628	246,864	5,082,289
Perry.....	659	371,696	47,175	149	90,248	255	214	43,296	505,240
Piatt.....	848	1,128,468	68,596	173	54,695	417	185	90,125	1,273,288
Pike.....	976	1,270,691	84,920	385	235,234	1,024	281	62,926	1,568,851
Pope.....	99	24,451	4,405	6	2,004	9	116	13,433	39,889
Pulaski.....	96	34,106	6,114	25	5,108	39	104	16,364	55,573
Putnam.....	238	272,563	22,532	37	9,817	125	26	9,503	291,835
Randolph.....	711	791,209	65,894	240	196,086	569	261	70,122	1,067,354
Richland.....	359	174,933	30,186	103	46,747	161	102	20,825	242,505
Rock Island.....	386	1,661,271	63,707	1,013	787,508	1,628	288	129,351	2,569,006
Saline.....	185	56,530	11,996	64	31,231	107	129	17,182	104,943
Sangamon.....	1,239	2,712,265	109,960	1,627	1,824,974	3,284	714	182,874	4,720,113
Schnyler.....	463	338,533	42,260	44	21,424	106	137	33,836	393,792
Scott.....	76	187,996	8,396	20	9,511	29	180	40,512	188,009
Shelby.....	896	756,168	68,419	266	133,627	457	375	116,242	1,006,037
Stark.....	686	1,376,434	62,548	70	35,014	141	151	50,881	1,462,829
St. Clair.....	470	937,212	37,124	694	681,928	1,772	244	96,971	1,716,111
Stephenson.....	1,648	2,066,476	112,887	654	506,977	1,427	300	117,106	2,692,559
Tazewell.....	919	1,602,124	82,047	315	213,268	740	159	70,525	1,886,007
Union.....	329	210,075	33,871	106	75,162	213	182	51,440	336,667
Vermilion.....	1,334	1,521,390	101,325	653	487,633	902	551	109,125	2,118,139
Wabash.....	349	258,212	26,536	72	43,354	117	100	17,313	323,879
Warren.....	625	1,184,341	54,237	373	349,644	536	365	141,352	1,675,837
Washington.....	1,036	1,049,899	77,371	159	78,954	365	184	52,596	1,181,449
Wayne.....	al, 451	512,955	91,271	386	145,660	488	210	56,439	715,253
White.....	693	529,199	59,982	184	77,130	329	337	88,765	690,094
Whiteside.....	1,496	2,014,774	132,161	434	352,492	1,085	674	194,517	2,561,783
Will.....	1,583	2,908,247	140,984	729	796,355	1,313	366	173,977	3,877,579
Williamson.....	203	63,792	14,193	13	1,980	24	125	23,763	89,535
Winnebago.....	1,547	2,405,551	117,807	709	385,058	942	369	105,223	3,445,832
Woodford.....	637	1,056,531	58,469	107	45,660	342	199	70,484	1,167,675

α Estimated from the totals of 1867—the records of 1880 destroyed by fire

TABLE XI.—*Proportion of Mortgages for Loans and for Deferred Payments—1880—Principal and Interest.*

COUNTIES.	LANDS.		LOTS.		CHATELNS.	
	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.
	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.
The State.....	\$91,256,071	\$21,110,988	\$66,829,681	\$12,707,220	\$10,168,706	\$2,578,754
Adams.....	\$1,066,845	\$297,671	\$585,416	\$208,089	\$79,223	\$11,729
Alexander.....	9,510	11,824	66,219	95,986	11,473	1,303
Bond.....	831,528	282,412	40,064	9,710	11,767	7,555
Boone.....	754,596	39,047	65,062	12,857	38,101	3,868
Brown.....	294,786	95,127	50,715	1,354	8,406	3,517
Bureau.....	8,477,892	877,810	161,480	10,490	107,523	7,352
Calhoun.....	159,839	61,658	6,218	1,079	12,417	2,671
Carroll.....	618,443	19,127	34,306	.....	69,371	418
Cass.....	627,413	40,048	81,728	35,026	46,360	809
Champaign.....	1,964,680	459,496	340,907	76,871	226,481	52,093
Christian.....	1,526,058	165,802	69,768	4,374	112,341	11,990
Clark.....	193,771	135,771	60,002	17,221	50,928	23,745
Clay.....	125,528	50,649	20,094	7,394	19,127	11,089
Clinton.....	717,690	87,798	31,685	9,146	25,240	18,352
Coles.....	447,207	200,919	125,502	76,920	47,397	7,461
Cook.....	3,859,296	1,025,888	49,348,803	7,900,808	3,264,667	1,183,118
Crawford.....	60,686	97,693	6,519	81,165	6,827	26,721
Cumberland.....	294,829	155,838	4,503	84,641	34,023	2,640
DeKalb.....	1,876,916	107,189	211,131	10,180	126,682	22,532
DeWitt.....	699,095	139,149	66,717	11,589	78,019	11,231
Douglas.....	992,469	101,784	41,230	8,508	55,507	5,624
DuPage.....	912,420	198,135	139,388	41,869	48,466	8,760
Edgar.....	626,736	247,608	122,438	64,205	81,148	2,424
Edwards.....	94,921	31,809	6,964	1,191	7,802	6,699
Efingham.....	358,619	62,778	32,992	10,533	15,114	6,896
Fayette.....	451,241	62,116	35,068	7,437	44,046	6,292
Ford.....	983,878	115,427	19,144	6,882	39,610	61,179
Franklin.....	48,158	168,769	17,916	2,654	12,879	2,638
Fulton.....	1,112,945	27,353	118,127	4,411	107,795	26,934
Gallatin.....	345,406	60,000	26,579	7,672	38,207	8,730
Greene.....	640,823	58,002	62,639	12,330	54,384	828
Grundy.....	1,187,726	190,135	137,658	11,161	91,800	5,549
Hamilton.....	109,682	144,145	10,245	1,766	27,200	58,271
Hancock.....	1,137,814	174,544	87,708	1,790	48,214	10,440
Hardin.....	11,390	4,518	1,916	206	5,346	4,005
Henderson.....	386,940	64,565	4,389	8,521	34,394	8,072
Henry.....	2,306,983	200,607	268,539	34,573	145,305	9,929
Iroquois.....	1,583,783	1,055,855	29,264	50,910	223,408	72,497
Jackson.....	346,175	61,569	77,874	39,583	55,085	25,566
Jasper.....	249,584	169,148	2,522	10,969	19,590	729
Jefferson.....	252,881	62,432	12,036	10,396	22,796	31,096
Jersey.....	703,621	1,6130	104,509	47,614	34,620	4,455
Jo Daviess.....	959,543	14,612	61,259	6,505	66,877	5,422
Johnson.....	25,755	2,452	9,711	.....	6,808	1,702
Kane.....	849,917	1,009,858	487,617	437,652	89,905	40,391
Kankakee.....	1,272,078	324,006	221,647	63,940	111,486	1,928
Kendall.....	618,890	337,608	2,811	7,467	42,638	1,191
Knox.....	1,977,201	343,457	298,032	91,532	208,679	24,764
Lake.....	2,118,357	102,180	142,015	86,604	37,681	151
LaSalle.....	2,653,823	606,402	435,796	137,017	241,602	17,350
Lawrence.....	44,661	47,811	8,111	7,794	11,558	12,372
Lee.....	1,751,771	657,811	318,254	98,855	180,743	37,091
Livingston.....	2,317,955	102,988	98,172	61,467	121,063	2,977
Logan.....	1,373,972	121,101	114,071	11,429	176,909	13,521
Macon.....	1,318,408	84,154	335,727	71,215	85,489	19,405
Macoupin.....	1,327,516	43,885	237,534	8,106	85,898	14,808
Madison.....	1,244,930	892,910	131,123	112,150	68,859	30,076
Marion.....	875,057	255,291	124,455	70,006	38,160	39,046
Marshall.....	302,681	524,317	34,692	20,904	3,224	62,567
Mason.....	518,521	127,309	42,057	9,801	107,006	10,712
Massac.....	65,394	36,466	22,675	2,325	8,791	1,617
McDonough.....	1,140,682	74,101	118,131	7,806	59,249	6,220

Table XI.—Continued.

COUNTIES	LANDS.		LOTS.		CHAFFELS	
	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.
	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.
McHenry .....	\$2, 110, 915	\$271, 608	\$130, 435	\$16, 266	\$119, 037	\$14, 563
McLean .....	2, 330, 222	238, 902	630, 427	92, 786	166, 477	15, 267
Menard .....	594, 902	62, 448	99, 070	5, 214	36, 676	16, 031
Mercer .....	771, 390	79, 096	28, 129	6, 427	99, 982	6, 951
Monroe .....	476, 810	262, 430	66, 921	29, 926	57, 516	4, 462
Montgomery .....	665, 655	424, 562	55, 122	41, 753	58, 304	24, 968
Morgan .....	882, 821	241, 792	418, 891	130, 631	100, 896	3, 120
Moultrie .....	537, 519	84, 610	21, 533	2, 805	24, 896	13, 054
Ogle .....	2, 165, 566	494, 834	159, 424	11, 448	97, 799	21, 614
Peoria .....	1, 760, 833	310, 735	1, 973, 368	790, 449	307, 612	39, 252
Perry .....	243, 089	128, 607	57, 759	32, 459	30, 177	13, 119
Platt .....	573, 293	236, 186	48, 753	5, 962	81, 112	9, 013
Pike .....	1, 196, 532	71, 159	263, 823	1, 411	60, 661	2, 265
Pope .....	18, 706	5, 746	1, 130	894	8, 302	5, 131
Pulaski .....	23, 942	10, 164	1, 245	3, 858	9, 884	6, 480
Putnam .....	225, 137	47, 426	5, 821	3, 996	4, 429	5, 076
Randolph .....	370, 286	420, 923	121, 388	74, 695	49, 046	21, 037
Richland .....	131, 025	43, 908	34, 873	11, 874	16, 868	3, 967
Rock Island .....	1, 892, 021	269, 260	595, 115	202, 398	119, 668	9, 563
Saline .....	47, 938	8, 592	27, 764	3, 467	17, 130	52
Sangamon .....	2, 665, 869	43, 396	1, 654, 522	170, 452	145, 202	37, 672
Schuyler .....	273, 196	65, 337	18, 060	3, 364	31, 467	2, 368
Scott .....	108, 319	29, 667	9, 511	.....	36, 906	3, 606
Shelby .....	681, 307	74, 861	78, 573	55, 064	92, 645	23, 597
Stark .....	1, 153, 452	222, 962	24, 790	10, 224	37, 900	12, 976
St. Clair .....	863, 663	84, 349	647, 832	34, 096	89, 698	7, 273
Stephenson .....	1, 697, 896	469, 090	398, 020	110, 957	107, 855	9, 251
Tazewell .....	1, 336, 171	265, 953	187, 328	26, 030	67, 291	3, 344
Union .....	141, 390	66, 665	62, 000	13, 132	40, 843	10, 597
Vermilion .....	1, 331, 413	139, 967	351, 583	136, 050	83, 154	25, 971
Wabash .....	131, 668	126, 524	44, 486	3, 363	14, 053	3, 255
Warren .....	1, 110, 912	73, 429	331, 463	18, 181	135, 185	6, 667
Washington .....	702, 382	847, 517	66, 242	12, 712	36, 606	15, 990
Wayne .....	400, 618	112, 337	66, 075	79, 785	41, 425	15, 013
White .....	335, 796	143, 413	59, 159	17, 971	73, 831	9, 884
Whiteside .....	1, 896, 838	120, 836	341, 212	11, 280	193, 544	973
Will .....	2, 027, 048	881, 199	669, 736	136, 620	155, 679	17, 298
Williamson .....	35, 787	25, 006	1, 039	941	18, 063	7, 675
Winnebago .....	1, 635, 019	750, 532	771, 423	163, 635	86, 914	18, 309
Woodford .....	842, 276	209, 255	41, 377	4, 393	65, 480	5, 004

TABLE XII.—*Classification of the Chattel*

COUNTIES.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS AND WEAR- ING APPAREL.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
The State.....	17,078	\$4,568,684	10,638	\$1,691,394	1,738	\$961,876	1,484	\$1,048,089
Adams.....	125	\$26,566	18	\$5,917	15	\$14,648	21	\$15,246
Alexander....	50	6,040	22	1,695	19	4,845	14	3,184
Bond.....	52	17,922	.....	.....	2	554	3	1,688
Boone.....	80	20,501	1	350	5	1,271	8	1,769
Brown.....	52	6,548	.....	.....	2	657	10	3,335
Bureau.....	248	78,992	3	405	11	8,704	4	948
Calhoun.....	38	10,125	.....	.....	.....	.....	.....	.....
Carroll.....	115	40,923	5	811	1	952	.....	85
Cass.....	81	22,235	6	5,875	3	2,200	9	3,215
Champaign....	687	147,040	18	1,608	22	56,190	14	11,907
Christian.....	237	71,132	5	3,700	9	3,444	15	9,640
Clark.....	131	40,897	1	45	.....	.....	6	6,060
Clay.....	65	18,137	.....	.....	4	5,950	9	2,385
Clinton.....	70	27,331	.....	.....	3	3,050	2	1,919
Coles.....	135	55,290	3	2,100	3	1,475	10	2,432
Cook.....	1,019	365,982	9,691	1,475,387	911	453,137	481	488,698
Crawford.....	30	4,205	.....	.....	3	755	32	21,057
Cumberland....	.....	.....	.....	.....	.....	.....	.....	.....
DeKalb.....	351	94,183	6	1,004	4	4,573	19	11,038
DeWitt.....	176	48,798	4	309	7	5,366	8	2,353
Douglas.....	143	40,572	4	438	.....	.....	3	3,453
DuPage.....	57	18,623	5	1,505	1	100	2	705
Edgar.....	123	36,926	6	1,910	12	2,713	11	8,992
Edwards.....	27	6,229	.....	.....	.....	.....	.....	.....
Effingham.....	78	18,502	5	750	3	1,965	3	2,700
Fayette.....	199	32,654	.....	.....	.....	.....	24	10,051
Ford.....	326	65,576	9	1,900	6	1,705	6	1,711
Franklin.....	52	4,458	1	80	.....	.....	9	6,875
Fulton.....	276	66,922	10	1,945	18	6,116	14	8,325
Gallatin.....	137	21,246	1	60	7	2,705	5	2,962
Greene.....	108	27,769	3	1,080	9	4,739	8	2,514
Grundy.....	177	36,398	4	1,442	13	9,783	8	9,899
Hamilton.....	107	34,590	.....	.....	2	750	8	8,450
Hancock.....	190	45,598	3	269	10	9,890	1	200
Hardin.....	.....	.....	.....	.....	.....	.....	.....	.....
Henderson.....	114	24,923	.....	.....	4	3,048	10	3,015
Henry.....	315	95,956	9	956	7	9,241	6	3,900
Iroquois.....	694	179,290	5	1,647	11	5,107	2	297
Jackson.....	157	34,045	3	415	7	3,554	13	5,385
Jasper.....	25	15,448	.....	.....	.....	.....	3	1,004
Jefferson.....	115	33,691	10	581	3	1,573	7	2,338
Jersey.....	60	16,873	2	300	4	1,101	1	1,000
Jo Davies.....	117	32,864	6	1,777	3	2,481	3	510
Johnson.....	52	4,083	.....	.....	.....	.....	11	3,561
Kane.....	132	53,679	20	10,607	9	7,483	11	5,016
Kankakee.....	238	65,442	3	466	3	1,051	1	85
Kendall.....	69	26,150	1	245	2	300	3	1,015
Knox.....	420	126,089	35	14,901	28	11,454	15	6,954
Lake.....	72	14,992	4	277	5	5,637	8	1,741
LaSalle.....	339	109,014	31	11,346	42	10,372	25	23,256
Lawrence.....	21	2,336	1	101	5	3,584	10	4,991
Lee.....	212	70,408	12	5,808	15	5,390	43	16,577
Livingston.....	325	74,400	8	867	19	5,443	5	472
Logan.....	277	78,296	13	5,915	19	16,292	17	7,440
Macon.....	243	52,463	22	3,817	19	9,099	16	9,915
Macoupin.....	67	18,140	5	1,372	11	3,996	24	17,996
Madison.....	117	20,845	13	2,319	17	16,701	37	14,503
Marion.....	122	33,744	1	1,000	6	1,426	8	6,711
Marshall.....	88	32,847	3	755	6	6,405	4	726
Mason.....	249	56,774	2	182	12	6,235	25	7,714
Massac.....	31	4,054	2	50	.....	.....	.....	.....
McDonough....	190	62,224	4	425	4	889	5	13,270
McHenry.....	213	61,015	3	4,665	12	4,196	6	4,440
McLean.....	306	111,915	25	4,461	10	5,869	17	7,751
Menard.....	123	40,926	2	10	3	778	3	2,137
Mercer.....	192	63,306	3	233	4	1,572	19	8,981
Monroe.....	74	21,739	1	500	.....	.....	1	248

## MORTGAGE INDEBTEDNESS.

LXXXV

*Mortgages Recorded in the Year 1880.*

GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS AND SEWING MACHINES.		MISCELLANEOUS.		TOTALS.	
No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	Whole No.	Whole Amounts
2,887	.....	642	.....	2,124	.....	1,344	.....	638,175	.....
.....	\$770,819	.....	\$342,086	.....	\$369,024	.....	\$621,612	.....	\$10,445,345
47	\$12,109	4	\$1,255	7	\$996	47	\$19,194	284	\$96,981
7	552	.....	.....	16	2,801	5	888	183	19,505
13	1,457	.....	.....	1	60	1	150	72	21,826
8	1,819	4	932	2	465	18	6,100	121	83,207
3	758	.....	.....	.....	.....	.....	.....	67	11,398
23	8,348	15	9,598	5	368	1	2,500	310	109,743
33	6,864	1	14	.....	.....	.....	.....	72	16,378
15	6,074	1	400	5	328	12	3,875	155	53,398
31	11,568	3	1,550	6	812	3	315	142	47,810
32	34,499	59	22,737	21	2,332	8	2,475	911	278,809
44	15,766	15	5,518	6	762	2	244	393	110,206
30	7,694	2	786	4	405	5	10,664	179	60,541
14	1,883	.....	.....	.....	.....	.....	.....	92	2,305
32	4,570	.....	.....	.....	.....	.....	.....	107	36,870
31	6,042	6	3,378	6	819	8	1,500	198	72,926
29	11,618	.....	.....	1,839	252,864	453	265,595	18,923	3,324,221
12	1,801	1	3,600	.....	.....	.....	.....	78	31,418
.....	.....	.....	.....	.....	.....	.....	.....	a 130	2,274
33	11,347	15	5,982	8	1,536	.....	.....	436	129,688
16	3,601	6	2,171	6	718	3	696	226	64,012
30	8,728	.....	.....	1	119	1	140	181	58,442
3	482	3	1,106	4	1,041	16	9,852	91	28,413
32	10,580	2	610	1	839	18	5,897	200	67,917
19	2,797	2	190	1	800	2	1,096	51	10,612
17	2,694	2	261	13	1,186	5	950	126	23,998
28	5,070	.....	.....	.....	.....	.....	.....	251	47,775
25	6,416	7	3,948	10	2,794	64	21,759	453	105,809
11	1,192	1	55	.....	.....	5	1,915	79	14,570
22	4,661	3	1,500	25	1,813	11	7,805	374	99,087
59	11,706	5	2,854	2	525	1	68	217	42,026
36	9,908	6	2,600	7	743	.....	.....	177	49,248
23	12,331	19	6,311	16	2,632	2	260	177	49,248
32	4,755	.....	.....	8	235	.....	.....	153	48,780
19	2,969	3	1,068	1	110	2	1,060	229	61,189
.....	.....	.....	.....	.....	.....	.....	.....	a 75	10,086
16	3,816	3	1,068	2	408	2	375	151	37,676
39	15,559	10	3,490	1	279	21	5,405	408	134,626
55	16,395	39	18,380	12	3,267	30	10,936	848	235,959
96	16,613	1	175	6	820	1	73	286	61,638
3	360	.....	.....	.....	.....	1	75	32	16,887
49	6,234	.....	.....	3	335	3	249	190	45,501
45	18,460	4	3,700	2	295	.....	.....	113	36,729
13	3,048	3	1,476	10	1,080	14	7,638	169	50,889
3	675	1	45	.....	.....	10	1,214	77	9,578
4	1,128	2	851	18	3,347	51	8,157	247	90,286
10	2,356	6	4,944	2	395	22	5,412	285	80,101
4	1,018	3	2,325	.....	.....	1	60	83	31,618
28	9,113	16	6,917	31	6,619	9	2,728	582	184,725
3	964	2	864	1	100	6	2,397	101	26,992
31	15,165	48	88,734	24	3,801	8	2,509	548	214,297
21	6,181	.....	.....	.....	.....	2	2,150	60	19,343
50	17,176	15	6,845	3	357	31	13,081	391	125,598
30	9,793	32	15,734	8	807	6	4,864	483	112,350
50	13,623	23	31,695	7	1,420	16	13,527	427	108,610
35	12,130	4	3,253	30	4,682	9	1,435	373	96,794
37	9,278	3	1,098	3	1,140	50	16,666	200	69,535
44	11,940	4	1,427	8	1,337	14	6,915	254	75,987
12	5,955	1	7,000	2	81	.....	.....	153	55,917
16	4,739	2	528	4	773	5	866	128	47,189
41	10,781	2	394	2	350	12	6,094	345	89,424
5	818	.....	.....	.....	.....	4	742	42	5,164
10	1,639	4	1,432	5	162	5	1,757	228	81,806
18	7,462	11	6,366	11	1,691	3	510	276	90,665
51	16,540	13	4,212	20	2,329	14	7,368	656	160,445
27	6,525	2	625	2	160	5	1,180	157	52,331
36	11,774	8	3,573	4	355	.....	.....	357	86,796
68	19,758	2	2,399	1	200	.....	.....	145	44,844

TABLE XII.—*Classification of the Chattel*

COUNTIES.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS AND WEAR- ING APPAREL.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts.
Montgomery .....	75	\$25,008	5	\$594	12	\$4,182	18	\$16,215
Morgan .....	150	79,756	17	3,867	11	8,369	12	4,787
Moultrie .....	98	21,745	1	23	4	3,966	7	3,051
Ogle .....	257	65,227	8	1,841	6	5,722	13	3,004
Peoria .....	328	100,759	80	18,753	40	19,404	40	42,696
Perry .....	122	22,597	7	916	8	3,580	2	1,183
Piatt .....	156	58,284	3	650	20	22,842	12	5,132
Pike .....	134	25,707	3	10,172	8	3,492	6	1,484
Pope .....	78	7,131	.....	.....	1	272	4	2,480
Pulaski .....	79	8,040	3	250	4	300	6	6,070
Putnam .....	22	3,279	1	100	.....	.....	4	1,560
Randolph .....	118	29,021	3	681	2	1,300	2	815
Richland .....	59	10,451	5	1,086	.....	.....	6	2,423
Rock Island .....	113	38,188	26	3,055	37	26,541	15	19,538
Saline .....	90	6,483	.....	.....	2	200	6	2,488
Sangamon .....	308	87,753	255	27,858	37	15,619	10	3,578
Schuyler .....	97	19,610	1	300	1	1,000	6	3,509
Scott .....	57	12,725	8	753	13	7,782	5	2,151
Shelby .....	276	60,653	5	1,207	.....	.....	6	4,153
Stark .....	98	24,748	1	29	5	3,688	1	2,000
St. Clair .....	135	48,308	12	3,001	20	9,087	19	8,401
Stephenson .....	136	31,814	10	4,257	14	9,360	23	21,967
Tazewell .....	142	38,175	5	282	10	17,610	8	2,444
Union .....	90	18,632	9	1,024	10	6,207	10	8,867
Vermillion .....	472	85,633	15	2,758	9	3,078	5	1,521
Wabash .....	66	9,941	3	137	1	3,000	.....	.....
Warren .....	257	98,033	19	1,995	9	2,337	10	1,435
Washington .....	71	19,413	.....	.....	6	3,208	1	800
Wayne .....	.....	.....	.....	.....	.....	.....	.....	.....
White .....	233	54,560	.....	.....	9	3,050	17	6,644
Whiteside .....	426	99,524	6	620	13	5,345	17	7,997
Will .....	317	74,692	17	10,417	14	5,034	13	8,365
Williamson .....	65	10,889	1	46	7	2,461	8	279
Winnebago .....	195	36,773	20	5,113	15	5,911	39	19,137
Woodford .....	146	45,279	6	2,139	.....	.....	.....	.....

*Mortgages Recorded in the Year 1880—Continued.*

GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS AND SEWING MACHINES.		MISCELLANEOUS.		TOTALS.	
No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	Whole No.	Whole Amounts.
32	\$7,078	1	\$185	6	\$994	7	\$5,221	156	\$59,472
29	7,516	2	850	19	3,865	16	2,498	256	110,988
5	1,372	4	1,178	1	80	1	200	121	81,806
39	19,588	11	5,296	5	425	12	4,879	351	105,482
24	5,981	5	1,469	5	490	8	3,006	530	132,508
58	8,455	2	1,000	7	1,522	3	740	209	39,943
26	7,840	5	6,296	1	110	2	60	225	101,165
70	12,587	11	2,600	3	205	24	8,742	259	64,979
21	1,258	3	372	9	265	4	1,176	120	12,904
11	970					7	301	110	15,981
4	1,980	2	1,100					33	7,969
38	15,067	5	978	3	422	25	13,406	246	61,180
38	3,617					1	185	94	17,712
6	1,248	3	2,344	15	1,746	18	2,025	228	94,685
21	3,133	15	1,587	1	60	6	8,358	141	17,314
29	9,294	12	8,607	125	23,116	21	13,180	797	189,005
11	2,618	3	1,918	11	556			130	29,509
30	10,658	4	858	4	500	3	208	124	35,635
29	8,850	12	12,595			3	7,350	331	94,813
17	6,038	5	2,800	3	192	2	1,391	132	40,901
57	21,387	1	600	9	1,368	5	3,025	258	95,187
11	6,978	6	2,081	15	1,580	1	50	218	78,067
30	5,574	4	3,747	2	576	7	13,463	198	81,871
33	5,640	2	342	2	120	2	439	153	41,271
73	14,102	7	3,647	65	7,030	1	350	647	118,724
48	5,861	1	30					119	18,969
24	12,737	15	9,199	2	215			336	120,951
40	8,841	1	75	7	1,031			126	33,368
								a	155
83	12,787	4	2,330	1	300			347	79,721
43	18,032	15	7,523	6	625	7	2,606	533	142,296
12	6,894	5	2,550	17	2,777	22	21,104	317	131,633
35	5,667	2	460	2	224			115	20,026
12	4,162	6	1,840	40	4,841	8	4,024	335	81,806
13	4,072	14	7,180					179	58,670

a Estimated from the totals of 1887,—the records of 1880 destroyed by fire.

b Omitting Cumberland, Hardin and Wayne counties, the total number of mortgages is 37,815 and the amount \$10,368,534..



TABLE XIII.—*Mortgages on Lands—1870.*

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.	Average rate of Interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
	No.	Amounts.	Acres.			Whole No. of mortgages.	WHOLE AMOUNTS.			Whole number of acres.
							Principal.	Interest.	Total.	
The State..	22,925	\$33,378,248	2,162,018	8.119	.094	69,931	\$119,690,312	\$5,647,079	\$125,337,391	6,609,678
Adams .....	849	\$442,212	27,214	2.369	.0987	827	\$1,047,600	\$49,184	\$1,096,784	64,470
Alexander .....	15	7,690	1,490	1.789	.10	87	13,757	688	14,445	2,648
Bond .....	156	230,064	16,720	2.648	.0988	413	609,183	30,093	639,276	44,275
Boone .....	193	244,616	14,575	4.269	.0990	824	1,044,265	48,568	1,092,833	62,221
Brown .....	79	83,067	8,102	1.594	.0995	126	132,408	6,455	138,863	12,915
Bureau .....	423	798,281	42,707	4.418	.0946	1,869	3,526,584	166,807	3,693,391	188,606
Calhoun .....	32	18,356	3,017	1.705	.0951	55	31,297	1,488	32,785	6,678
Carroll .....	150	197,522	13,163	3.436	.0914	515	678,644	31,016	709,700	45,228
Cass .....	65	114,075	8,360	2.602	.0972	169	296,823	14,425	311,248	21,558
Champaign .....	731	1,092,834	88,571	2.890	.0975	2,844	4,251,108	207,242	4,458,350	344,541
Christian .....	163	289,690	14,980	2.465	.0941	402	713,988	35,018	748,956	36,966
Clark .....	129	95,999	8,827	1.763	.0908	227	169,246	7,684	176,930	15,562
Clay .....	135	114,845	12,701	1.970	.0949	266	226,344	10,735	236,979	25,021
Clinton .....	200	288,735	17,047	2.675	.0973	535	772,366	37,578	809,942	45,901
Coles .....	240	329,808	20,223	1.816	.0902	436	598,928	27,012	626,940	36,784
Cook (1875) .....	a 702	6,535,578	40,335	5.068	.0895	8,554	23,969,309	1,072,632	25,041,935	172,346
Crawford .....	72	48,342	5,234	2.700	.0982	194	180,523	6,409	186,932	14,375
Cumberland .....	b 198	114,755	10,103	3.824	.1000	758	439,282	21,964	461,246	38,674
DeKalb .....	302	426,078	31,410	3.079	.0953	980	1,311,894	62,512	1,374,406	96,711
DeWitt .....	221	337,023	24,080	3.568	.0973	789	1,302,516	58,502	1,361,018	85,917
Douglas .....	175	262,309	17,560	2.943	.0972	515	771,681	37,504	809,185	51,508
DuPage .....	174	347,900	11,116	2.955	.0864	514	1,023,044	44,411	1,072,455	82,848
Edgar .....	183	255,005	16,912	2.111	.0928	366	538,315	24,078	562,393	35,702
Edwards .....	104	73,282	7,631	2.370	.0895	246	173,673	7,752	181,450	18,133
Efingham .....	110	85,006	9,806	2.050	.0866	292	219,966	9,524	229,490	26,251
Fayette .....	103	77,716	7,836	3.575	.0877	364	277,834	12,183	290,017	28,144
Ford .....	888	690,056	61,447	3.754	.0975	1,457	2,590,056	126,285	2,716,341	232,549
Franklin .....	87	35,452	5,685	1.597	.0909	139	56,617	2,573	59,190	9,064
Fulton .....	227	290,401	18,100	3.264	.0954	741	752,029	35,872	787,901	59,078
Gallatin .....	c 163	134,008	15,667	2.669	.1000	435	357,667	17,883	375,550	41,816
Greene .....	100	122,016	7,992	1.649	.0974	165	201,204	9,798	211,002	13,179
Grundy .....	261	801,563	24,681	3.064	.0959	800	923,989	44,305	968,294	75,469
Hamilton .....	69	23,776	6,281	1.456	.0977	100	34,618	1,691	36,309	9,145
Hancock .....	221	321,143	19,165	2.280	.0946	504	732,306	34,633	766,939	43,696
Hardin .....	b 47	10,377	3,282	1.474	10	69	15,296	764	16,060	4,838
Henderson .....	127	210,817	15,093	2.053	.0983	261	432,807	21,272	454,079	30,936
Henry .....	330	460,904	29,331	2.884	.0947	963	1,331,090	66,354	1,397,444	84,708
Iroquois .....	534	738,340	68,291	3.794	.0956	2,026	2,801,262	133,900	2,935,162	269,096
Jackson .....	163	672,781	16,928	2.689	.0988	450	964,474	47,645	1,012,119	45,350
Jasper .....	31	14,026	2,825	1.782	.0952	55	24,994	1,190	26,184	5,084
Jefferson .....	95	34,346	5,258	1.203	.0983	114	46,180	2,267	48,397	6,325
Jersey .....	180	211,518	18,160	2.487	.0952	448	526,045	25,040	551,085	45,164
Jo Daviess .....	335	371,433	31,870	2.115	.0927	709	785,644	36,414	822,058	67,405
Johnson .....	65	21,477	5,117	1.358	.0900	88	29,166	1,444	30,610	6,949
Kane .....	266	265,152	19,600	3.572	.0855	950	1,304,323	55,760	1,360,083	66,489
Kankakee .....	457	814,073	49,690	3.280	.0952	1,504	2,678,300	127,487	2,805,787	163,480
Kendall .....	147	351,438	15,841	4.218	.0958	620	1,482,345	71,005	1,553,370	66,517
Knox .....	359	609,452	35,692	2.192	.0963	787	1,335,918	64,324	1,400,242	76,237
Lake .....	324	393,963	21,917	2.596	.0884	841	996,768	44,057	1,040,825	66,997
LaSalle 1875 .....	a 611	1,689,800	65,741	3.904	.0928	2,332	5,580,931	268,985	5,849,916	243,672
Lawrence .....	60	51,974	5,255	2.355	.0916	141	122,398	5,806	128,204	12,375
Lee .....	286	397,618	31,392	3.955	.0949	1,131	1,572,579	74,619	1,647,198	124,155
Livingston .....	784	961,587	69,769	4.043	.0979	3,170	3,897,696	190,303	4,077,999	278,083
Logan .....	293	535,416	34,192	3.054	.0991	818	1,635,100	81,022	1,716,122	104,432
Macon .....	361	546,620	34,021	3.448	.0981	1,245	1,884,745	92,446	1,977,191	117,304
Macoupin .....	211	309,345	18,896	2.926	.0946	617	905,148	44,623	949,766	55,287
Madison .....	365	611,347	29,061	2.071	.0982	756	1,260,999	62,165	1,323,164	60,302
Marion .....	143	128,575	11,006	1.718	.0893	246	220,862	9,863	230,725	18,907
Marshall .....	164	251,395	14,376	2.792	.0967	458	701,667	33,584	735,451	49,759
Mason .....	240	380,412	30,416	2.277	.0993	546	866,198	48,007	909,205	69,257
Massac .....	37	14,405	2,727	1.823	.0944	68	26,260	1,239	27,499	4,971
McDonough .....	201	286,465	16,739	2.158	.0956	434	618,191	29,549	647,740	36,123
McHenry .....	352	420,489	37,181	3.407	.0932	1,199	1,463,269	68,188	1,531,457	126,505
McLean .....	800	1,369,292	95,719	3.390	.0943	2,712	4,641,900	228,149	4,870,049	324,487
Menard .....	79	184,891	8,857	2.168	.0966	171	400,843	19,361	420,204	19,192
Mercer .....	177	225,870	17,004	2.311	.0952	409	521,965	24,846	546,811	39,295

Table XIII.—Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.	Average rate of interest.	Whole No. of mortgages.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.			
							WHOLE AMOUNTS.			Whole number of acres.
	No.	Amounts.	Acres.				Principal.	Interest.	Total.	
Monroe ....	160	\$175,112	17,848	2.737	.0982	438	\$479,281	\$23,538	\$502,814	47,481
Montgomery	198	266,694	17,825	2.049	.0963	406	525,966	25,062	551,028	85,499
Morgan ....	208	426,474	19,114	2.240	.0990	466	955,302	47,287	1,002,589	42,815
Moultrie ....	124	166,157	11,674	2.522	.1015	313	419,048	21,266	440,314	29,442
Ogle .....	364	595,872	36,324	3.380	.0966	1,594	2,609,919	126,059	2,735,978	159,099
Peoria .....	507	541,221	26,389	3.223	.0945	989	1,744,355	82,421	1,826,776	85,062
Perry .....	96	109,720	8,490	2.691	.0971	259	295,256	14,384	309,590	22,847
Platt .....	225	523,915	36,004	4.128	.0984	929	2,162,721	106,406	2,269,127	148,626
Pike .....	147	192,103	12,627	2.093	.0960	308	402,071	19,701	421,772	26,428
Pope .....	46	16,945	3,394	2.578	.0992	119	43,684	2,167	45,851	8,750
Pulaski ....	48	46,048	3,666	2.644	.0923	127	121,751	5,619	127,370	9,693
Putnam ....	44	76,228	3,750	2.816	.0953	124	214,358	10,228	224,586	10,560
Randolph...	220	218,169	16,790	3.309	.0957	728	721,921	34,544	756,465	55,558
Richland...	120	90,271	9,933	1.819	.0963	218	164,203	7,906	172,109	18,068
Rock Island	175	212,567	13,121	1.771	.0941	310	376,456	17,712	394,168	23,237
Saline .....	56	18,527	3,928	1.658	.0993	93	30,717	1,525	32,242	6,513
Sangamon...	164	306,557	15,248	2.283	.0985	375	699,869	34,468	734,337	36,711
Schuyler...	109	74,255	9,890	1.781	.0962	194	132,248	6,362	138,610	17,614
Scott .....	86	108,362	7,201	1.839	.0991	158	199,278	9,874	209,152	18,243
Shelby .....	268	308,678	26,590	2.145	.0934	575	662,114	30,921	693,035	54,891
Stark .....	134	250,718	12,932	3.062	.0979	410	767,689	37,578	805,267	39,598
St. Clair...	252	459,569	19,631	2.495	.0969	629	1,146,624	55,554	1,202,178	46,979
Stephenson	422	476,282	34,433	3.064	.0941	1,293	1,459,328	68,661	1,527,989	106,508
Tazewell...	331	652,049	33,259	2.095	.0969	693	1,366,042	66,185	1,432,227	69,678
Union .....	40	74,084	6,337	2.114	.0986	190	156,613	7,721	164,334	13,896
Vermilion...	340	492,904	37,551	3.051	.0974	1,087	1,593,545	78,222	1,671,767	114,568
Wabash ....	80	59,903	5,812	2.147	.0996	172	128,612	6,398	135,010	12,478
Warren .....	187	370,821	18,074	1.993	.0975	373	739,046	36,028	775,074	36,021
Washington	233	340,381	22,210	3.189	.0988	742	1,085,475	53,622	1,139,097	70,828
Wayne .....	447	151,949	28,118	3.246	.10	1,451	493,226	24,661	517,887	91,271
White .....	139	104,911	11,503	2.117	.0914	294	222,096	10,149	232,245	24,352
Whiteside...	401	439,324	35,200	3.297	.0915	1,322	1,448,451	66,266	1,514,717	116,064
Will .....	551	772,416	51,188	2.785	.0910	1,535	2,151,178	97,878	2,249,056	142,559
Williamson	41	12,542	2,554	1.791	.0955	71	21,710	1,036	22,746	4,421
Winnebago	365	518,932	24,800	3.987	.0877	1,455	2,068,981	90,726	2,159,706	98,878
Woodford...	223	322,047	20,669	2.842	.0969	745	1,076,281	52,146	1,128,427	69,119

a Records of 1870 destroyed by fire.

b Estimated from the totals of 1887—the records of 1870 destroyed by fire.

c Estimated from the totals of 1887—the records of 1870 so imperfectly kept no transcript could be made.

TABLE XIV.—*Mortgages on Lots—1870.*

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.				Average term— Years.	Average rate of Interest.	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
	No.	Amounts.	Lots.	Whole No. of mortgages.			WHOLE AMOUNTS.			Whole number of lots.	
							Principal.	Interest.	Total.		
The State..	21,865	\$41,981,650	65,351	2.418	.0965	75,586	\$170,980,907	\$8,434,034	\$179,405,841	256,890	
Adams.....	378	\$607,100	606	2.126	.0958	793	\$1,290,694	\$61,884	\$1,352,518	1,288	
Alexander....	57	66,652	108	3.884	.0921	218	255,543	11,767	267,310	414	
Bond.....	45	40,531	97	1.623	.0997	73	65,732	3,279	69,061	157	
Boone.....	60	34,240	123	2.268	.0987	136	77,656	3,832	81,488	279	
Brown.....	22	14,643	43	2.011	.0982	33	29,447	1,446	30,893	86	
Bureau.....	132	78,266	187	2.146	.0977	263	168,094	8,211	176,305	402	
Calhoun.....	1	1,260	3	1.532	.06	1	1,904	57	1,961	4	
Carroll.....	35	36,847	60	2.206	.0991	77	81,395	4,038	85,433	132	
Cass.....	37	25,463	49	1.468	.10	54	37,890	1,869	39,759	72	
Champaign..	239	190,559	378	2.417	.0975	578	460,581	22,453	483,034	914	
Christian.....	39	29,363	63	1.641	.0992	64	48,185	2,390	50,575	136	
Clark.....	32	22,822	80	1.746	.0968	56	39,710	1,991	41,691	157	
Clay.....	45	25,042	85	1.493	.0982	67	37,388	1,836	39,224	127	
Clinton.....	60	64,945	162	2.365	.0956	143	155,240	6,645	161,884	387	
Coles.....	63	52,009	124	1.892	.0900	113	93,772	4,642	98,414	223	
Cook (1875) a	11,157	81,899,648	44,693	4.666	.0989	52,025	148,748,069	7,355,591	156,103,660	208,408	
Crawford.....	15	7,264	33	2.746	.0965	41	19,947	962	20,929	91	
Cumberland..	b 50	24,898	77	2.901	.10	145	72,254	3,618	75,867	224	
DeKalb.....	126	87,736	294	1.919	.0975	242	163,461	8,212	171,673	445	
DeWitt.....	45	33,474	95	2.466	.0970	111	82,547	4,003	86,550	294	
Douglas.....	62	81,522	101	1.482	.0981	92	46,716	2,291	49,007	150	
DuPage.....	136	197,818	383	2.658	.0984	361	524,811	23,197	548,008	1,016	
Edgar.....	65	36,392	109	1.544	.0973	100	54,645	2,658	57,303	166	
Edwards.....	29	11,128	50	1.984	.0918	58	22,133	1,010	23,143	96	
Effingham....	52	38,670	95	1.904	.0989	99	73,473	3,299	76,772	180	
Fayette.....	28	14,744	63	1.671	.0944	47	24,753	1,168	25,923	106	
Ford.....	50	41,385	82	2.133	.0981	106	87,736	4,303	92,039	174	
Franklin.....	10	3,858	15	1.131	.10	11	4,371	219	4,590	17	
Fulton.....	96	72,777	166	2.961	.0972	284	215,493	10,473	225,966	491	
Gallatin.....	c 36	13,702	61	2.963	.10	107	40,626	2,081	42,657	181	
Greene.....	44	33,319	71	1.473	.0986	65	49,245	2,425	51,670	105	
Grundy.....	102	64,059	209	1.708	.0990	174	109,285	5,410	114,695	356	
Hamilton.....	7	1,597	11	1.436	.10	10	2,293	115	2,418	8	
Hancock.....	b 110	75,183	292	1.711	.0959	188	128,638	6,184	134,806	500	
Hardin.....	10	2,042	15	1.101	.10	10	2,042	102	2,144	15	
Henderson....	81	17,130	78	1.441	.10	45	24,684	1,234	25,918	112	
Henry.....	198	153,567	420	2.521	.0993	501	393,439	19,534	412,963	1,062	
Iroquois.....	102	37,917	185	2.625	.0968	268	99,532	4,820	103,852	486	
Jackson.....	78	66,266	186	1.781	.0985	139	118,073	5,815	123,888	349	
Jasper.....	2	235	3	3.553	.10	7	335	42	377	11	
Jefferson....	38	16,073	58	1.076	.0937	41	17,827	855	18,682	62	
Jersey.....	d 47	76,411	100	3.235	.08	154	152,460	6,096	158,556	328	
Jo Daviess...	160	93,282	318	1.873	.0982	300	174,717	8,579	183,296	596	
Johnson.....	5	1,041	7	1.101	.10	5	1,041	52	1,093	7	
Kane.....	561	514,574	1,046	2.228	.0933	1,265	1,151,169	53,702	1,204,871	2,841	
Kankakee....	145	124,334	281	2.706	.0987	405	347,687	17,156	364,794	786	
Kendall.....	32	23,192	76	2.544	.0991	81	59,000	2,923	61,923	191	
Knox.....	253	218,068	444	2.245	.0970	568	489,551	23,743	513,294	997	
Lake.....	173	205,791	292	1.813	.0925	314	373,099	17,256	390,355	639	
LaSalle (1875) a	543	640,673	1,991	3.564	.0969	1,935	2,268,858	112,912	2,381,770	7,096	
Lawrence....	19	11,453	38	1.564	.0999	30	17,867	892	18,759	51	
Lee.....	119	93,085	159	4.063	.0936	482	397,538	18,605	416,143	644	
Livingston...	117	85,299	261	2.106	.0984	258	184,758	9,090	193,848	480	
Logan.....	90	79,188	196	2.309	.0784	203	182,988	7,167	190,000	632	
Macon.....	126	103,666	261	2.234	.0997	281	231,590	11,545	243,135	588	
Macoupin....	113	75,792	252	1.943	.0989	154	108,880	5,112	113,992	344	
Madison.....	130	109,730	247	1.943	.0992	252	213,186	10,574	223,760	480	
Maitron.....	107	57,668	167	1.746	.0949	158	85,060	4,036	89,096	246	
Marshall.....	58	64,153	125	1.417	.0940	118	133,415	6,270	139,685	277	
Mason.....	81	99,980	169	1.362	.0994	110	95,336	4,788	100,064	130	
Massac.....	34 e	48,077	78	1.242	.0982	42	21,955	1,056	23,011	97	
McDonough..	79	49,268	187	1.748	.0981	138	86,112	4,294	90,336	327	
McHenry.....	104	66,422	173	1.751	.0981	132	116,876	5,705	122,010	306	
McLean.....	503	523,898	864	3.663	.0979	1,861	1,918,818	98,996	2,017,844	3,165	
Menard.....	32	37,948	90	1.785	.0906	56	49,325	2,232	51,557	150	
Mercer.....	57	32,560	159	1.311	.0982	75	48,686	2,096	50,782	208	

Table XIV.—Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.			Average term— Years.....	Average rate of Interest.....	DERIVED TOTALS OF EXISTING INDEBTEDNESS.				
						Whole No. of mortgages.	WHOLE AMOUNTS.			Whole number of lots.
	No.	Amounts.	Lots.				Principal.	Interest.	Total.	
Monroe.....	47	\$32,879	97	1.840	.0999	86	\$60,497	\$3,022	\$63,519	178
Montgomery	68	51,977	118	1.211	.0688	82	62,944	3,109	66,053	143
Morgan.....	208	219,625	300	2.090	.0997	435	459,016	22,882	481,898	627
Montrie.....	6	2,267	25	1.088	.10	6	2,466	123	2,589	27
Ogle.....	125	97,866	372	2.394	.0946	299	291,291	11,082	302,373	880
Peoria.....	366	799,780	720	2.270	.0977	831	1,815,453	88,685	1,904,140	1,684
Perry.....	60	54,765	82	2.290	.0989	137	125,412	6,202	131,614	188
Platt.....	33	18,379	88	1.691	.0857	56	31,079	1,487	32,566	149
Pike.....	65	54,780	135	1.756	.0997	114	103,218	5,140	108,358	237
Pope.....	6	5,289	8	3.118	.0924	19	16,491	762	17,253	25
Pulaski.....	16	8,810	31	1.246	.0845	20	10,977	464	11,441	39
Putnam.....	19	10,694	43	1.386	.0981	25	14,287	701	14,988	57
Randolph.....	64	43,052	159	1.597	.0964	102	68,754	3,314	72,068	254
Richland.....	53	32,117	139	1.418	.0975	75	45,542	2,220	47,762	197
Rock Island.....	241	276,412	557	2.301	.0986	554	696,024	31,856	667,880	1,282
Saline.....	2	983	2	2.381	.10	5	2,240	117	2,357	5
Sangamon.....	151	205,099	315	2.635	.0950	398	540,436	25,671	566,107	890
Schuyler.....	26	13,935	40	1.664	.0674	23	14,827	722	15,549	42
Scott.....	45	40,358	101	1.330	.0999	60	58,676	2,681	56,357	134
Shelby.....	36	42,319	60	1.874	.10	67	29,306	3,965	33,271	112
Stark.....	34	21,548	68	1.375	.10	47	79,677	1,484	31,161	93
St. Clair.....	326	360,824	788	2.609	.0976	850	941,390	45,940	987,330	2,056
Stephenson.....	241	184,436	497	2.548	.0942	619	473,632	23,255	496,887	1,276
Tazewell.....	175	137,097	352	1.505	.0866	263	206,331	10,172	216,503	580
Union.....	25	16,873	59	1.452	.0900	36	24,507	1,218	25,725	86
Vermilion.....	73	52,523	142	1.846	.10	135	96,957	4,848	101,805	262
Wabash.....	46	31,475	51	1.460	.10	67	45,983	2,298	48,281	174
Warren.....	64	61,879	103	1.686	.0993	108	104,037	5,165	109,202	74
Washington.....	48	27,887	105	1.964	.0978	94	53,788	2,630	56,418	206
Wayne.....	113	41,105	166	3.412	.10	396	140,250	7,012	147,262	566
White.....	42	17,701	70	1.102	.0858	46	19,506	934	20,440	77
Whiteside.....	142	95,983	322	1.992	.0858	293	191,158	9,156	200,314	641
Will.....	319	845,773	584	2.009	.0851	641	493,758	21,009	514,767	1,173
Williamson.....	2	1,265	3	1	.0858	2	1,265	55	1,320	3
Winnebago.....	361	263,013	439	2.949	.0915	770	773,625	35,485	811,110	1,285
Woodford.....	180	54,359	210	2.303	.0927	396	119,753	5,550	125,303	463

a Records of 1870 destroyed by fire.

b Estimated from the totals of 1887; the records of 1870 destroyed by fire.

c Estimated from the totals of 1880; the records of 1870 so imperfectly kept no transcript could be made.

d One mortgage for \$30,000 included in recorded amount only, property consisting partly of factory machinery, etc., located in St. Louis, Mo.

e One mortgage for \$30,400 on saw-mill plant included in recorded amount only.

f One mortgage for \$600,000 given by the Kankakee Improvement Co. included in the recorded amount only.

TABLE XV.—*Mortgages on Personal Property—1870.*

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.		Average term— Months.	Average rate of interest.	Whole No. of mort- gages.	DERIVED TOTALS OF EXISTING INDEBT- EDNESS.		
	No.	Amounts.				WHOLE AMOUNTS.		
						Principal.	Interest.	Total.
The State	27,186	\$11,989,137	18.72	.0985	50,485	\$13,762,541	\$1,358,505	\$15,121,046
Adams	328	\$154,759	10.80	.0988	295	\$139,288	\$13,762	\$153,050
Alexander	25	12,408	8.56	.0977	17	8,851	864	9,715
Bond	70	24,289	11.43	.0984	66	23,087	2,272	25,359
Boone	110	39,724	15.62	.0965	142	51,702	4,889	56,591
Brown	68	19,588	12.33	.0998	69	20,128	2,008	22,131
Bureau	205	63,162	12.50	.10	212	65,798	6,580	72,378
Calhoun	44	11,919	9.50	.0913	85	9,431	861	10,295
Carroll	276	97,938	14.31	.0980	33	116,798	11,446	128,244
Cass	95	57,794	11.05	.0953	87	53,217	5,072	58,289
Champaign	342	141,884	12.18	.0982	348	144,016	14,142	158,158
Christian	291	131,926	12.94	.0996	318	142,502	14,169	156,671
Clark	41	13,073	12.14	.0763	41	13,220	1,006	14,229
Clay	46	14,818	8.91	.0942	34	11,004	1,087	12,041
Clinton	157	74,907	18.97	.0984	182	87,201	8,581	95,782
Coles	156	46,436	9.78	.0958	127	37,839	3,625	41,464
Cook (1875)	a, 9,843	5,346,771	14.33	.10	11,755	6,384,982	628,493	7,023,475
Crawford	41	10,810	11.92	.0952	41	10,740	1,022	11,762
Cumberland	b 130	28,274	10.48	.10	113	24,691	2,470	27,161
DeKalb	383	125,318	12.76	.0976	407	133,253	13,005	146,258
DeWitt	148	52,391	13.57	.0978	167	59,246	5,901	65,147
Douglas	146	53,585	10.88	.0997	132	48,579	4,843	53,422
DuPage	38	14,142	16.32	.0885	51	19,241	1,703	20,944
Edgar	189	38,906	10.69	.0958	128	34,646	3,319	37,965
Edwards	12	3,873	12.23	.0907	12	3,950	392	4,332
Effingham	75	26,184	13.47	.0915	84	29,338	2,684	32,022
Fayette	99	32,940	13.52	.0953	111	37,112	3,537	40,649
Ford	176	78,452	10.59	.0991	155	69,237	6,861	76,098
Franklin	5	873	11.88	.10	4	853	85	898
Fulton	159	61,276	13.03	.0975	172	66,531	6,487	73,018
Gallatin	c 217	42,026	12.41	.10	223	43,490	4,346	47,836
Greene	63	17,620	10.12	.10	53	14,866	1,486	16,342
Grundy	194	70,684	17.01	.0994	274	100,189	9,969	110,148
Hamilton	21	8,784	10.68	.10	18	3,354	335	3,689
Hancock	d 222	69,809	12.31	.0981	228	71,607	7,025	78,632
Hardin	b 75	10,066	10.45	.10	65	8,788	879	9,667
Henderson	131	41,486	12.26	.0988	134	42,383	4,187	46,570
Henry	407	154,712	13.54	.0994	459	174,591	17,352	191,923
Iroquois	340	134,317	13.04	.0987	369	145,957	14,406	160,363
Jackson	101	36,992	13.37	.1009	112	41,220	4,158	45,378
Jasper	27	2,972	9.80	.0995	22	2,430	242	2,672
Jefferson	34	12,285	15.86	.10	44	16,241	1,634	17,865
Jersey	123	35,950	10.45	.10	107	31,808	3,131	34,939
Jo Daviess	114	44,996	12.80	.0906	122	48,000	4,349	52,349
Johnson	13	1,752	11.73	.10	12	1,713	171	1,884
Kane	187	84,910	14.28	.0885	221	101,045	8,942	109,987
Kankakee	259	98,673	14.19	.0951	305	116,684	11,097	127,781
Kendall	115	40,996	12.50	.0996	119	42,700	4,253	46,953
Knox	421	164,282	12.43	.0987	435	170,167	16,795	186,962
Lake	110	38,006	12.99	.0947	118	41,139	3,896	45,035
LaSalle (1875)	a 596	261,068	12.71	.0985	648	276,493	27,235	303,728
Lawrence	30	10,982	12.12	.0947	30	11,090	1,050	12,140
Lee	413	160,270	14.50	.0982	499	193,662	19,018	212,680
Livingston	535	111,385	11.22	.0977	370	104,144	10,175	114,319
Logan	281	168,262	12.07	.0998	282	169,246	16,591	185,837
Macon	283	104,653	12.59	.0980	296	109,797	10,871	120,668
Macoupin	289	92,996	13.	.0993	312	100,750	10,004	110,754
Madison	296	137,116	14.74	.0982	363	168,419	16,539	184,958
Marion	93	31,320	9.36	.0914	72	24,430	2,293	26,663
Marshall	185	76,146	17.29	.0980	280	109,722	10,753	120,475
Mason	289	138,850	14.03	.0992	337	162,341	16,104	178,445
Massac	d 15	35,273	12.07	.0648	15	35,474	2,269	37,773
McDonough	190	58,840	11.76	.0987	186	57,559	5,691	63,250
McHenry	253	79,830	15.66	.0980	329	104,186	10,002	114,188
McLean	502	215,032	12.79	.0971	535	229,184	22,251	251,438
Menard	71	28,039	12.10	.0994	71	28,278	2,811	31,089
Mercer	189	62,638	12.71	.0989	200	66,846	6,562	72,908
Monroe	282	103,805	17.15	.0999	374	148,433	14,828	163,261

Table XV—Continued.

COUNTIES.	MORTGAGES RECORDED DURING THE YEAR.		Average term— Months .....	Average rate of interest .....	Whole No. of mort- gages ... pages ...	DERIVED TOTALS OF EXISTING INDEBT- EDNESS.		
						WHOLE AMOUNTS.		
	No.	Amounts.				Principal.	Interest.	Total.
Montgomery .....	175	\$57,310	15.10	.0999	219	\$72,118	\$7,305	\$79,323
Morgan .....	149	73,809	12.30	.0995	153	75,557	7,523	83,185
Montrélie .....	53	17,589	9.90	.10	44	14,513	1,451	15,964
Ogle .....	306	115,537	13.44	.0959	343	129,400	12,409	141,809
Peoria .....	413	183,727	16.63	.0939	572	254,632	23,903	278,530
Perry .....	61	15,518	12.91	.0970	65	16,698	1,619	18,312
Platt .....	106	51,350	13.86	.0933	122	59,224	5,381	65,105
Pike .....	242	73,200	12.73	.0932	256	77,653	7,703	85,356
Pope .....	6	623	5.91	.10	8	307	31	338
Pulaski .....	47	14,552	9.45	.0924	37	11,463	1,059	12,522
Putnam .....	53	16,872	16.12	.0929	71	23,665	2,106	24,771
Randolph .....	141	39,022	14.71	.0996	172	47,337	4,765	52,602
Richland .....	33	7,030	13.57	.0929	38	7,952	739	8,691
Rock Island .....	119	40,622	11.67	.0937	116	39,503	3,399	43,402
St. Clair .....	72	10,166	9.97	.10	60	8,445	845	9,290
Saline .....	257	139,701	11.85	.0995	254	123,075	12,743	140,818
Sangamon .....	106	31,832	12.15	.0903	107	32,234	2,911	35,145
Schuyler .....	97	23,343	10.37	.10	83	24,494	2,449	26,943
Scott .....	200	67,573	11.26	.0939	137	63,416	6,372	69,688
Shelby .....	132	50,921	14.33	.0971	137	63,135	6,140	69,275
Stark .....	265	113,091	12.62	.0966	232	126,162	12,187	138,349
Stephenson .....	231	130,869	15.17	.0996	291	153,792	15,313	169,105
Tazewell .....	273	116,230	12.84	.0930	237	124,365	12,312	136,677
Union .....	46	9,725	16.79	.0995	64	13,600	1,367	14,967
Vermilion .....	160	69,736	11.54	.0973	154	67,059	6,525	73,584
Wabash .....	36	10,697	10.62	.10	32	9,462	946	10,408
Warren .....	206	82,299	14.89	.0932	255	102,116	10,130	112,246
Washington .....	167	88,764	16.60	.0997	231	115,968	11,553	127,430
Wayne .....	150	38,451	16.31	.10	210	52,257	5,225	57,482
White .....	134	31,324	13.10	.0975	145	34,191	3,337	37,528
Whiteside .....	371	136,022	14.68	.0931	444	166,398	15,990	182,388
Will .....	398	163,250	15.31	.0946	522	215,079	20,346	235,425
Williamson .....	32	4,084	9.90	.10	26	3,326	333	3,659
Winnebago .....	255	130,002	12.94	.0934	274	136,400	12,733	149,133
Woodford .....	211	98,736	16.73	.0939	293	137,901	13,636	151,539

*a* Records of 1870 destroyed by fire.

*b* Estimated from the totals of 1887; the records of 1870 destroyed by fire.

*c* Estimated from totals of 1880; the records of 1870 so imperfectly kept, no transcript could be made.

*d* One mortgage for \$20,400 on mill machinery, etc., included in computations.

TABLE XVI.—*All Mortgages and Total Existing Indebtedness—1870—Principal and Interest.*

COUNTIES.	LANDS.			LOTS.			CHATELS.		TOTAL.
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole amounts.
The State.....	69,981	\$125,387,391	6,609,673	75,536	\$179,405,841	256,830	80,485	\$15,121,046	\$319,864,278
Adams.....	827	\$1,096,784	64,470	793	\$1,352,518	1,286	295	\$153,050	\$2,602,352
Alexander.....	27	14,445	2,648	218	267,310	414	17	9,715	291,470
Bond.....	413	639,276	44,275	73	69,061	157	66	25,359	733,696
Boone.....	524	1,062,823	62,221	196	81,498	279	142	56,591	1,230,902
Brown.....	126	138,863	12,915	44	80,898	88	69	22,131	191,837
Bureau.....	1,859	3,683,391	188,690	283	176,805	402	212	72,378	3,942,074
Calhoun.....	55	32,785	6,678	1	1,961	4	35	10,256	45,041
Carroll.....	515	709,700	45,328	77	85,428	182	38	128,244	923,372
Cass.....	169	811,248	21,853	54	89,249	72	87	58,289	408,786
Champaign.....	2,844	4,458,350	344,541	578	438,084	914	348	158,158	5,699,542
Christian.....	402	748,956	36,926	64	50,575	136	319	156,431	935,962
Clark.....	227	176,980	15,662	56	41,691	157	41	14,229	252,850
Clay.....	266	226,979	25,021	67	39,224	127	34	12,041	298,244
Clinton.....	535	809,942	45,801	143	161,894	387	182	96,782	1,067,618
Coles.....	436	625,940	36,724	113	98,414	223	127	41,464	765,818
Cook, 1875.....	a3,554	26,041,935	172,346	52,025	156,103,650	208,408	11,755	7,023,425	188,169,014
Crawford.....	194	136,932	14,375	41	20,929	91	41	11,762	169,223
Cumberland.....	b758	461,246	39,674	145	75,887	224	113	27,161	564,274
DeKalb.....	930	1,374,406	96,711	242	176,673	449	407	146,258	1,697,337
DeWitt.....	7-9	1,261,015	95,917	111	88,550	284	167	65,147	1,412,715
Douglas.....	515	809,185	51,503	92	49,007	150	132	53,422	911,614
DuPage.....	514	1,072,455	32,848	361	548,008	1,016	51	20,944	1,641,401
Edgar.....	386	563,393	35,702	100	57,303	168	123	37,965	658,561
Edwards.....	246	181,450	18,193	58	28,143	99	12	4,332	208,925
Effingham.....	292	229,490	26,251	99	76,772	180	84	32,022	338,234
Fayette.....	384	290,017	23,144	47	25,923	106	111	40,649	356,589
Ford.....	1,457	2,716,341	232,549	106	92,089	174	155	76,096	2,884,476
Franklin.....	139	59,190	9,064	11	1,589	17	4	383	64,167
Fulton.....	741	787,901	58,078	284	225,966	491	173	73,018	1,086,986
Gallatin.....	c435	375,550	41,815	107	42,657	181	223	47,806	456,015
Greene.....	165	211,002	13,179	65	51,670	105	53	16,342	279,014
Grundy.....	800	966,294	75,499	174	114,695	356	274	110,148	1,193,137
Hamilton.....	100	36,309	9,145	10	2,413	16	18	8,689	42,411
Hardock.....	504	766,830	43,696	188	134,806	500	228	78,632	980,277
Hardin.....	b69	16,060	4,834	10	2,144	15	65	9,667	27,871
Henderson.....	261	454,079	30,986	45	25,918	112	134	46,570	526,567
Henry.....	563	1,397,444	84,708	501	412,968	1,062	459	191,923	2,002,339
Iroquois.....	2,026	2,935,162	269,096	268	108,852	486	349	160,368	3,199,377
Jackson.....	450	1,012,119	45,350	139	123,888	349	112	45,378	1,181,395
Jasper.....	55	26,184	5,084	7	877	11	22	2,672	29,733
Jefferson.....	114	48,897	6,325	41	18,182	63	44	17,665	84,444
Jersey.....	448	551,085	45,164	154	158,558	328	107	84,439	744,062
Jo Daviess.....	709	822,058	67,405	300	183,296	596	122	52,349	1,057,713
Johnson.....	88	30,610	6,919	5	1,093	7	12	1,884	33,547
Kane.....	950	1,860,083	66,439	1,255	1,204,871	2,341	221	109,987	2,674,941
Kankakee.....	1,504	2,895,787	163,480	406	364,794	786	305	127,731	3,298,362
Kendall.....	620	1,553,370	66,817	81	61,923	191	119	46,963	1,662,246
Knox.....	787	1,400,242	78,237	568	518,294	997	435	186,962	2,100,498
Lake.....	841	1,040,825	56,897	314	380,355	529	118	45,085	1,476,215
LaSalle, 1875.....	a2,882	5,839,896	243,672	1,935	2,896,270	7,096	648	303,738	8,539,844
Lawrence.....	141	123,004	12,375	30	18,759	51	80	12,140	153,905
Lee.....	1,131	1,647,198	124,155	482	416,143	644	499	212,680	2,276,021
Livingston.....	8,170	4,077,999	278,083	253	198,848	630	370	114,319	4,396,166
Logan.....	818	1,716,182	104,422	208	190,000	452	282	186,137	2,092,319
Macon.....	1,245	1,977,191	117,304	281	243,185	568	296	120,668	2,310,994
Macoupin.....	617	949,766	55,257	154	108,492	344	312	110,754	1,169,014
Madison.....	756	1,323,264	60,202	252	223,760	490	363	184,968	1,736,962
Marion.....	246	230,755	18,407	158	69,096	246	72	26,663	346,514
Marshall.....	458	735,451	39,759	118	139,682	117	280	120,475	995,611
Mason.....	546	909,205	69,257	110	100,064	230	337	178,445	1,187,714
Massac.....	68	27,499	4,971	42	23,011	97	15	37,778	89,283
McDonough.....	494	647,740	36,123	138	90,896	327	186	68,850	801,426
McHenry.....	1,199	1,531,457	126,505	182	132,010	306	239	114,188	1,767,655
McLean.....	2,712	4,810,049	324,487	1,861	2,012,744	3,165	535	231,438	7,134,231
Menard.....	171	420,304	19,192	56	51,557	159	71	31,089	502,830

Table XVI.—Continued.

COUNTIES.	LANDS.			LOTS.			CHATTELS.		TOTALS.
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole Amounts.
Mercer.....	409	\$546,881	39,296	75	\$44,782	208	200	\$72,906	\$664,521
Monroe.....	438	502,814	47,481	96	68,519	176	374	163,261	729,594
Montgomery...	406	551,028	35,499	82	66,053	143	219	79,323	696,404
Morgan.....	466	1,002,589	42,815	435	481,896	637	153	88,185	1,567,572
Montrie.....	513	440,814	29,442	6	2,589	27	44	15,964	468,867
Ogle.....	1,594	2,735,978	159,099	299	345,373	890	343	141,809	3,123,160
Peoria.....	889	1,826,776	85,052	831	1,904,140	1,634	572	278,530	4,009,446
Perry.....	259	309,590	22,847	187	181,614	188	65	18,312	459,516
Platt.....	929	2,369,127	148,625	56	32,566	149	122	66,106	2,869,798
Pike.....	308	421,772	26,428	114	108,358	237	256	85,366	615,486
Pope.....	119	45,861	8,750	19	17,253	25	8	838	68,442
Pulaski.....	127	127,870	9,693	20	11,441	39	87	12,532	151,383
Putnam.....	124	224,886	10,580	25	14,988	57	71	24,771	264,645
Randolph.....	728	756,465	55,558	102	72,088	254	172	52,602	881,135
Richland.....	218	172,109	18,068	75	47,762	197	38	8,691	228,562
Rock Island....	810	894,168	28,287	554	667,390	1,282	116	48,403	1,104,950
Saline.....	98	82,242	6,513	5	2,387	5	60	9,290	43,889
Sangamon.....	375	734,387	36,711	398	566,107	880	254	140,818	1,441,262
Schuyler.....	194	188,610	17,614	28	15,549	42	107	35,145	189,304
Scott.....	158	206,152	18,243	60	56,357	134	88	26,943	292,452
Shelby.....	575	683,085	54,891	87	83,271	112	187	69,688	845,994
Stark.....	410	805,287	39,598	47	81,161	93	187	69,276	905,704
St. Clair.....	629	1,202,178	48,979	650	967,330	2,056	283	138,349	2,327,857
Stephenson....	1,238	1,527,989	105,503	619	496,887	1,276	291	168,010	2,192,886
Tazewell.....	693	1,432,227	69,678	263	216,508	530	297	136,690	1,785,410
Union.....	190	164,384	13,396	86	25,720	86	64	14,967	205,011
Vermillion....	1,087	1,576,787	114,568	135	101,805	262	154	73,584	1,752,156
Wabash.....	172	132,010	12,478	67	48,251	74	32	10,408	193,689
Warren.....	373	775,074	38,021	108	109,202	174	255	112,246	996,522
Washington....	742	1,189,087	70,828	94	56,418	206	281	127,430	1,322,985
Wayne.....	61,451	517,887	81,271	386	147,262	566	210	57,483	722,632
White.....	284	232,245	24,352	46	20,440	77	145	37,528	290,213
Whiteside....	1,322	1,514,717	116,054	283	200,314	641	444	182,988	1,897,419
Will.....	1,595	2,249,066	142,559	641	514,767	1,173	522	285,425	2,999,248
Williamson....	71	22,746	4,421	2	1,320	3	26	8,659	27,726
Winnebago....	1,455	2,159,706	96,878	770	811,110	1,285	274	142,133	3,112,949
Woodford.....	745	1,128,427	89,119	396	125,303	463	298	151,539	1,406,269

a Records of 1870 destroyed by fire.

b Estimated from the totals of 1887, the records of 1870 destroyed by fire.

c Estimated from the totals of 1880 and 1887; the records of 1870 so imperfectly kept no transcript could be made.



TABLE XVII.—*Proportion of Mortgages for Loans and for Deferred Payments—1870—Principal and Interest.*

COUNTIES.	LANDS.		LOTS.		CHATELNS.	
	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.
	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.
The State.....	\$90,524,314	\$24,813,077	\$139,859,279	\$39,546,562	\$13,721,888	\$1,399,656
Adams.....	\$968,239	\$128,555	\$1,176,776	\$175,742	\$148,215	\$9,885
Alexander.....	5,691	8,754	147,118	120,197	6,748	2,972
Bond.....	403,881	235,896	47,276	21,785	25,244	115
Boone.....	947,314	245,509	71,099	10,389	51,038	5,553
Brown.....	108,076	30,787	22,478	8,420	20,139	1,992
Bureau.....	2,467,069	1,226,302	145,698	30,677	68,225	4,153
Calhoun.....	25,984	6,851	.....	1,961	10,295	.....
Carroll.....	626,956	83,744	75,605	9,828	128,244	.....
Cass.....	288,683	22,565	39,249	.....	58,289	.....
Champaign.....	3,473,283	985,067	314,986	168,095	183,724	24,434
Christian.....	655,837	98,619	33,184	12,319	151,214	5,317
Clark.....	112,871	64,559	12,383	29,306	8,396	7,631
Clay.....	127,979	109,000	16,985	22,289	12,041	.....
Clinton.....	715,419	91,536	128,898	38,026	71,858	22,524
Coles.....	441,933	184,007	28,984	69,480	40,511	953
Cook (1875).....	a 17,749,724	7,392,211	122,100,815	34,002,835	6,574,019	449,406
Crawford.....	21,275	115,657	1,800	19,129	10,451	1,311
Cumberland.....	b 308,503	157,743	40,892	84,975	24,472	2,699
DeKalb.....	1,080,731	343,675	183,385	88,338	119,786	26,472
DeWitt.....	1,048,645	214,373	73,396	13,155	58,894	6,268
Douglas.....	530,017	279,168	26,827	22,180	53,193	229
DuPage.....	548,968	525,509	317,845	280,168	13,404	7,540
Edgar.....	507,351	55,942	50,714	6,589	84,359	8,608
Edwards.....	88,467	97,983	14,048	9,095	2,955	1,377
Effingham.....	173,984	55,536	41,457	35,315	19,182	12,340
Fayette.....	278,878	11,339	25,104	819	34,064	6,585
Ford.....	2,318,164	398,177	80,442	11,597	59,448	16,650
Franklin.....	4,789	54,451	4,378	211	844	44
Fulton.....	729,898	55,008	175,576	50,390	67,907	5,111
Gallatin.....	c 296,699	79,851	23,779	19,878	33,728	9,068
Greene.....	175,132	35,870	31,519	20,151	13,051	3,291
Grundy.....	640,911	337,888	89,119	25,576	107,635	2,313
Hamilton.....	8,274	25,085	391	2,022	3,689	.....
Hancock.....	468,772	298,067	106,092	28,714	67,907	10,725
Hardin.....	b 11,550	4,501	1,986	306	5,588	4,079
Henderson.....	325,121	128,958	14,774	11,144	45,895	675
Henry.....	1,028,256	369,183	349,780	63,183	189,751	29,172
Iroquois.....	1,544,193	1,390,989	23,471	80,351	124,282	26,061
Jackson.....	306,647	206,472	89,685	34,198	43,745	1,633
Jasper.....	7,856	18,328	562	315	2,308	64
Jefferson.....	34,847	18,550	9,019	9,168	14,221	3,644
Jersey.....	400,641	150,444	135,726	22,832	31,479	2,980
Jo Daviess.....	735,209	88,849	104,417	18,879	49,573	2,774
Johnson.....	26,570	4,040	410	683	1,623	261
Kane.....	647,400	719,683	634,122	590,749	74,631	25,354
Kankakee.....	1,733,977	1,071,810	828,848	35,546	127,628	153
Kendall.....	962,696	590,674	49,910	12,013	46,958	.....
Knox.....	905,957	494,285	379,838	133,456	180,980	5,928
Lake.....	534,743	306,363	301,354	89,001	48,673	1,360
LaSalle (1875).....	a 4,158,000	1,681,896	2,051,206	345,062	280,351	23,377
Lawrence.....	43,952	84,052	977	17,722	10,283	1,837
Lee.....	901,018	746,180	210,568	205,575	161,909	50,271
Livingston.....	3,536,846	541,153	162,838	31,015	112,810	1,509
Logan.....	1,270,001	446,181	147,260	42,750	150,038	26,101
Macon.....	1,874,975	102,216	225,143	17,992	109,205	11,468
Macoupin.....	792,055	157,711	84,190	24,302	109,481	1,273
Madison.....	868,629	432,235	142,066	31,694	125,457	59,501
Marion.....	85,841	144,914	43,390	45,706	20,073	6,535
Marshall.....	359,631	375,815	47,354	92,331	9,086	111,439
Mason.....	788,251	120,924	92,560	7,504	173,681	5,764
Massac.....	25,575	1,924	20,508	2,508	37,773	.....
McDonough.....	505,150	142,590	79,652	10,484	62,083	1,267
McHenry.....	1,295,613	235,844	113,591	8,419	113,612	576
McLean.....	4,197,973	672,076	1,710,028	302,716	229,437	22,001
Menard.....	255,064	165,140	47,838	3,729	30,157	932

Table XVII—Continued.

COUNTIES.	LANDS.		LOTS.		CHATELNS.	
	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.	LOANS.	DEFERRED PAYMENTS.
	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.	Amounts.
Mercer .....	429,810	117,021	36,722	8,060	71,669	1,239
Monroe .....	282,079	220,735	38,442	25,077	149,057	14,304
Montgomery .....	257,887	298,141	25,101	40,952	77,261	2,092
Morgan .....	476,231	526,358	288,844	198,054	82,794	391
Moultrie .....	374,258	66,046	2,589	.....	13,394	2,570
Ogle .....	2,180,575	555,403	208,567	36,806	118,993	24,816
Peoria .....	1,238,552	568,124	1,654,602	247,532	247,598	30,637
Perry .....	111,453	196,137	56,582	75,032	14,859	3,453
Platt .....	1,942,373	826,754	23,123	9,443	59,990	5,115
Pike .....	377,066	44,707	103,806	4,552	53,635	1,661
Pope .....	26,863	18,968	9,266	7,967	888	.....
Pulaski .....	109,786	17,394	8,833	2,606	11,271	1,251
Putnam .....	83,208	141,678	5,997	8,991	11,842	12,929
Randolph .....	408,494	847,971	44,395	27,673	43,808	9,994
Richland .....	147,670	24,439	44,228	8,534	8,296	886
Rock Island .....	214,145	180,623	517,907	149,473	41,935	1,467
Saline .....	28,151	4,091	2,357	.....	9,290	.....
Sangamon .....	536,332	196,005	551,389	14,718	133,777	7,041
Schnyder .....	104,374	34,236	7,931	7,618	34,900	245
Scott .....	194,512	14,640	33,195	23,162	23,576	3,867
Shelby .....	635,514	57,521	47,049	36,222	54,289	15,399
Stark .....	333,757	471,510	20,536	10,625	51,958	17,318
St. Clair .....	1,139,883	62,295	889,585	97,745	137,104	1,245
Stephenson .....	916,765	611,224	339,596	157,291	158,098	9,912
Tazewell .....	1,059,848	372,379	168,873	47,680	134,885	1,795
Union .....	74,123	90,211	20,242	5,478	18,461	1,496
Vermilion .....	1,130,542	446,235	66,174	35,631	59,823	13,761
Wabash .....	104,368	30,647	40,049	8,302	7,389	3,019
Warren .....	596,808	173,266	102,104	7,098	104,794	7,452
Washington .....	854,323	284,774	36,729	19,689	121,176	6,244
Wayne .....	405,135	112,752	68,869	78,893	42,193	15,290
White .....	123,187	109,108	15,228	5,212	34,496	1,032
Whiteside .....	1,005,773	508,944	160,251	40,063	173,741	8,647
Will .....	1,371,922	877,134	344,707	170,060	221,900	14,125
Williamson .....	10,691	12,055	.....	1,320	3,659	.....
Winnebago .....	1,080,934	1,078,772	502,839	308,231	98,110	49,023
Woodford .....	960,631	138,796	115,279	10,024	146,690	4,849

a Records of 1870 destroyed by fire.

b Estimated from the totals of 1887, the records of 1870 destroyed by fire.

c Estimated from the totals of 1880 and 1887, the records of 1870 so imperfectly kept no transcript could be made.

TABLE XVIII.—*Classification of the Chattel*

COUNTIES.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
The State. ....	13,041		5,065		3,263		1,087	
		\$4,471,852		\$1,509,389		\$2,003,788		\$1,722,032
Adams. ....	161	\$43,477	35	\$24,517	36	\$19,998	20	\$31,948
Alexander. ....	13	8,396	5	2,161	4	902	1	400
Bond. ....	44	14,087	2	967	4	2,300	5	2,580
Boone. ....	77	23,292	5	3,115	5	2,337	5	2,691
Brown. ....	59	12,118			4	5,010	3	1,885
Bureau. ....	171	46,580	6	3,097	6	7,397	2	798
Calhoun. ....	35	9,851						
Carroll. ....	228	78,744	6	2,870	3	3,250	4	1,539
Cass. ....	56	18,870	4	18,401	5	11,585	7	4,525
Champaign. ....	194	54,827	9	2,162	24	28,531	2	2,287
Christian. ....	244	114,449	8	868	10	3,576	3	2,500
Clark. ....	33	4,002			2	367	3	7,304
Clay. ....	37	11,947	1	900	2	281	4	1,564
Clinton. ....	78	21,788			7	10,120	3	617
Coles. ....	115	25,899	4	2,398	5	3,009	9	2,494
Cook (1875) a. ....	1,066	531,260	4,549	1,257,661	2,392	1,375,784	618	1,325,503
Crawford. ....	33	8,244	1	32	1	1,204	2	795
Cumberland. ....								
DeKalb. ....	338	104,435	5	2,341	14	8,717	2	1,485
DeWitt. ....	108	31,144	1	1,189	5	8,126	1	418
Douglas. ....	130	38,405					4	7,549
DuPage. ....	31	10,623	2	832	2	837		
Edgar. ....	109	25,986	1	150	11	4,792	4	2,500
Edwards. ....	9	3,465					1	200
Effingham. ....	49	18,858			8	2,108	3	1,777
Fayette. ....	73	20,429	3	320	1	460	8	5,582
Ford. ....	103	29,460	1	100	7	4,372	1	1,100
Franklin. ....	5	873						
Fulton. ....	110	36,743	6	1,438	6	5,136	3	379
Gallatin. ....								
Greene. ....	49	10,735	1	1,500	4	2,680		
Grundy. ....	145	47,559	2	1,112	7	4,799	1	170
Hamilton. ....	18	8,228					1	25
Hancock. ....	184	49,494	4	960	13	7,096	3	1,553
Hardin. ....								
Henderson. ....	102	34,074	1	500			4	1,170
Henry. ....	327	125,299	8	1,045	19	7,552	1	218
Iroquois. ....	231	100,367	5	3,088	9	4,844	4	3,428
Jackson. ....	62	16,757	6	1,614	6	5,358	3	9,937
Jasper. ....	27	2,972						
Jefferson. ....	25	4,943			2	1,097	2	725
Jersey. ....	75	20,866	1	20	6	2,361	5	3,637
Jo Davies. ....	77	23,412	4	960	10	8,576	3	1,855
Johnson. ....	9	725						
Kane. ....	110	36,285	8	1,485	4	4,538	7	4,456
Kankakee. ....	231	68,887	4	3,670	9	4,639	12	15,651
Kendall. ....	94	29,762			3	1,479	3	516
Knox. ....	306	97,092	22	9,731	21	10,572	8	4,892
Lake. ....	84	26,256	4	1,046	5	5,007	3	1,085
LaSalle (1875) a. ....	366	136,933	27	5,865	98	51,800	30	27,878
Lawrence. ....	17	2,638	3	1,163	3	4,330	3	2,390
Lee. ....	270	95,686	5	1,415	17	9,909	23	12,519
Livingston. ....	246	55,941	10	845	19	11,596	4	347
Logan. ....	196	113,116	12	3,145	14	27,146	5	2,525
Macon. ....	201	55,998	17	11,897	16	12,048	6	2,578
Macoupin. ....	142	31,584	7	2,025	23	12,582	1	1,375
Madison. ....	176	62,722	9	6,354	14	15,035	25	25,404
Marion. ....	70	17,085	6	6,235	4	887		
Marshall. ....	162	53,323	3	4,100	6	9,794	2	577
Mason. ....	224	105,437	4	3,520	4	2,855	6	1,890
Massac. ....	7	1,591			1	200	3	2,664
McDonough. ....	146	47,646	1	87	11	4,397	4	519
McHenry. ....	199	53,066	5	2,604	10	6,214	1	400
McLean. ....	390	144,451	15	7,499	29	18,688	5	2,045
Menard. ....	53	23,144	1	136	5	748	2	1,000
Mercer. ....	140	41,438			23	15,136		
Monroe. ....	130	51,648	1	45	5	4,487	4	5,564

## MORTGAGE INDEBTEDNESS.

*Mortgages Recorded in the Year 1870.*

GROWING CROPS.		GARNERED CROPS.		PIANOS AND ORGANS.		MISCELLANEOUS.		TOTAL MORTGAGED INDEBTEDNESS ON PERSONAL PROPERTY.	
No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	Whole No.	Whole Amounts
1,507	\$588,080	410	\$216,777	436	\$116,746	1,720	\$1,246,796	27,196	\$11,969,187
16	\$3,493	1	\$338	7	\$1,435	52	\$39,553	328	\$154,769
1	75				800	1	175	25	12,408
11	3,598			2	110	2	747	70	24,239
5	1,580	4	964	1	95	8	5,650	110	39,724
2	575							68	19,588
5	2,334	7	667	2	200	6	2,399	205	63,162
9	2,568							44	11,919
19	5,628					16	5,907	276	97,933
8	8,764	5	2,739			7	2,910	96	57,794
63	80,255	32	16,532	3	294	15	6,996	342	141,844
25	7,152	8	2,335	1	196	2	860	291	131,925
2	800					1	1,200	41	18,073
2	126							46	14,818
27	4,708	2	968			45	86,741	157	74,907
10	4,116	7	1,489	2	761	4	6,265	156	46,426
8	2,442			324	87,195	901	766,976	9,843	5,346,771
8	485					1	50	41	10,810
21	6,142	5	1,399	1	450	2	849	130	28,274
23	8,948	6	2,616			4	960	388	125,318
3	7,324	2	307					148	62,391
8	2,350							146	53,585
6	2,039	2	294			6	3,135	88	14,142
1	37	1	171					139	33,896
10	3,166					5	2,225	12	3,873
10	4,080	1	535			4	1,684	75	26,134
9	2,836	4	1,574			51	39,011	99	82,940
15	6,306	1	880	3	1,870	15	8,624	176	78,452
4	443							5	378
27	11,203	11	5,641			5	2,282	159	61,276
1	111	1	400			1	200	63	42,026
15	8,614					3	2,102	17	17,620
18	4,117	4	1,462			2	163	194	70,684
20	6,031	11	4,289	3	564	18	9,744	21	3,764
19	13,337	7	4,692	3	950	12	8,671	222	69,809
11	2,287					8	1,039	75	10,066
3	435			1	85	1	5,000	131	41,486
34	7,309	2	1,957					407	154,712
5	1,862			1	500	14	7,841	840	134,317
1	110	2	252			1	665	101	36,992
3	1,059	2	488	6	2,132	48	34,457	27	2,972
9	3,543	1	2,165	2	118			34	12,255
10	7,163	3	1,856	1	420	1	800	123	35,930
30	18,668	18	15,140	2	528	14	8,164	421	164,282
3	346			4	1,147	7	3,119	110	38,006
19	7,600	20	9,716	14	2,379	27	18,887	596	261,063
2	119	1	1,000			1	200	80	10,982
39	14,598	12	6,181	3	1,015	44	18,857	413	160,270
91	31,987	17	9,437	2	140	6	1,142	395	111,345
41	17,054	7	2,569	1	214	5	2,198	281	168,262
29	11,371	8	6,574	1	290	5	997	283	104,653
23	5,184	2	825			91	39,423	289	92,998
42	11,125	5	3,848	2	602	23	12,026	296	137,116
7	3,534	2	1,621	1	100	3	1,854	93	31,320
11	3,001			1	160	10	5,191	195	76,146
26	18,490	3	970	2	1,225	11	4,463	289	138,550
2	818		100			1	30,400	15	35,273
8	1,822	4	1,708	2	490	14	2,135	190	55,840
19	5,436	10	6,181	2	394	7	5,545	253	79,830
36	15,435	10	14,059	5	3,525	12	9,333	502	215,032
9	2,978					1	35	71	28,039
20	5,089	4	775	1	55	1	150	189	62,638
111	36,600	11	5,571					262	103,266

Table XVIII.—Classification of the Chattel

COUNTIES.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts.
Montgomery .....	100	\$20,655	3	\$1,105	20	\$9,163	8	\$6,960
Morgan .....	96	37,279	15	13,208	8	6,750	7	4,322
Moultrie .....	87	10,694	.....	.....	1	200	4	3,812
Ogle .....	240	83,202	5	1,954	9	6,203	6	1,211
Peoria .....	271	87,341	44	22,194	30	18,425	21	40,398
Perry .....	41	7,924	6	1,806	4	1,018	5	2,958
Platt .....	73	36,050	2	1,279	1	600	.....	.....
Pike .....	158	44,970	5	1,537	2	5,500	3	1,327
Pope .....	6	628	.....	.....	.....	.....	.....	.....
Pulaski .....	36	10,051	3	225	.....	.....	4	3,086
Putnam .....	86	11,551	2	127	.....	.....	2	250
Randolph .....	100	23,147	1	49	8	3,150	2	273
Richland .....	28	6,477	1	75	.....	.....	1	183
Rock Island .....	80	22,878	17	5,836	10	5,700	4	4,816
Saline .....	43	6,429	.....	.....	.....	.....	1	100
Sangamon .....	174	74,237	19	5,188	29	27,823	6	5,210
Schuyler .....	88	26,088	1	200	.....	.....	2	468
Scott .....	59	15,739	6	1,406	9	3,027	2	435
Shelby .....	178	48,461	.....	.....	3	5,300	9	10,004
Stark .....	128	41,561	2	500	7	4,243	2	976
St. Clair .....	194	76,177	21	14,518	12	11,947	5	2,126
Stephenson .....	157	56,350	7	2,142	14	26,022	12	16,164
Tazewell .....	207	72,987	6	1,488	18	15,432	2	3,600
Union .....	36	5,742	2	90	1	500	1	1,600
Vermilion .....	124	53,377	11	4,150	11	5,354	2	4,700
Wabash .....	29	8,566	.....	.....	5	1,400	.....	.....
Warren .....	163	57,414	1	500	8	2,697	5	1,695
Washington .....	118	48,801	1	1,500	4	11,071	4	2,186
Wayne .....	.....	.....	.....	.....	.....	.....	.....	.....
White .....	116	27,420	4	248	1	1,475	1	750
Whiteside .....	289	89,934	6	4,465	6	4,068	15	10,877
Will .....	232	99,226	9	2,845	32	18,524	12	9,771
Williamson .....	16	2,190	.....	.....	.....	.....	.....	.....
Winnebago .....	141	40,337	15	7,234	27	14,388	36	41,730
Woodford .....	179	77,844	1	6,773	9	6,153	4	1,446

a Records of 1870 destroyed by fire.

b The totals of 1887 substituted; the records of 1870 destroyed by fire.

c The totals of 1887 substituted: the records of 1870 so imperfectly kept no transcript could be made.

## MORTGAGE INDEBTEDNESS.

CI

*Mortgages Recorded in the Year 1870—Continued.*

GROWING CROPS.		GARNERED CROPS.		PIANOS AND ORGANS.		MISCELLANEOUS.		TOTAL MORTGAGED INDEBTEDNESS ON PERSONAL PROPERTY.	
No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	Whole No.	Whole Amounts.
22	\$8,100	10	\$4,369	1	\$125	16	\$8,753	175	\$57,310
14	8,669	.....	.....	1	350	8	3,226	149	73,809
8	2,446	1	200	.....	.....	2	237	58	17,589
29	9,729	7	2,685	8	625	7	10,028	806	115,537
14	5,088	7	2,683	4	1,590	23	6,008	418	168,727
4	1,537	1	275	.....	.....	.....	.....	61	15,518
22	8,333	8	5,018	.....	.....	.....	.....	106	51,280
54	11,481	4	398	2	245	14	7,742	242	73,200
.....	.....	.....	.....	.....	.....	.....	.....	6	628
2	235	.....	.....	.....	.....	2	375	47	14,552
8	1,915	2	2,150	.....	.....	3	879	53	16,872
27	5,257	3	567	.....	.....	5	1,579	141	39,022
2	105	.....	.....	.....	.....	1	100	83	7,090
4	1,018	.....	.....	1	300	3	674	119	40,622
21	2,540	6	597	.....	.....	1	500	72	10,166
17	7,842	8	4,921	3	850	6	3,030	267	122,701
12	1,756	1	300	.....	.....	2	4,125	106	51,832
17	6,116	1	300	2	320	1	1,000	97	23,348
6	973	2	2,240	.....	.....	2	600	200	67,578
10	3,275	.....	.....	1	200	2	166	182	50,921
20	11,523	1	400	.....	.....	3	1,400	265	118,091
16	5,721	20	11,870	2	100	8	2,500	231	120,909
25	13,279	4	3,354	.....	.....	16	6,250	278	116,290
5	783	1	1,000	.....	.....	.....	.....	46	9,725
9	1,729	.....	.....	.....	.....	3	496	180	69,736
2	731	.....	.....	.....	.....	.....	.....	36	10,697
16	10,516	5	8,307	1	165	6	1,005	205	82,299
23	13,779	8	3,632	2	796	2	2,000	167	83,764
.....	.....	.....	.....	.....	.....	.....	.....	155	38,451
9	924	2	282	.....	.....	1	225	134	31,324
23	16,423	10	5,246	.....	.....	17	4,966	371	136,022
23	14,623	19	7,223	1	75	15	10,958	398	163,250
5	481	11	1,863	.....	.....	.....	.....	32	4,034
12	8,170	8	2,605	4	512	10	5,025	255	120,002
12	3,220	3	1,870	1	750	2	680	211	96,736

TABLE XIX.—*Mortgages on Lands Compared for Three Periods.*  
Principal Amounts without Interest.

COUNTIES.	1870.			1880.			1887.		
	No. of mortgages	Amount.	Acres.	No. of mortgages	Amount.	Acres.	No. of mortgages	Amount.	Acres.
The State.....	69,981	\$119,690,812	6,609,678	82,150	\$108,247,959	7,048,322	92,777	\$142,400,800	8,082,794
Adams.....	827	\$1,047,800	64,470	1,018	\$1,333,080	85,416	1,090	\$1,500,999	98,785
Alexander.....	27	13,757	2,648	53	20,321	4,556	122	68,828	13,067
Bond.....	413	609,183	44,275	574	591,265	49,867	574	458,681	45,745
Boone.....	894	1,044,265	62,221	521	764,177	42,840	636	940,817	48,387
Brown.....	126	182,408	12,915	447	374,940	40,353	620	537,133	50,169
Bureau.....	1,869	3,526,584	188,680	2,005	3,710,314	200,714	1,915	3,044,381	204,674
Calhoun.....	55	31,297	6,678	252	212,313	34,470	268	197,896	32,380
Carroll.....	515	678,684	45,223	411	614,436	39,067	756	1,197,964	67,578
Cass.....	169	296,823	21,853	379	642,814	50,274	559	1,149,688	66,658
Champaign.....	2,844	4,251,106	344,541	2,146	2,357,943	197,128	2,348	3,062,770	197,105
Christian.....	402	713,938	36,926	1,204	1,623,746	111,198	1,204	1,518,454	106,715
Clark.....	237	169,246	15,562	634	317,157	41,258	1,149	1,471,091	85,054
Clay.....	266	223,244	25,021	386	169,722	27,582	612	319,746	43,596
Clinton.....	535	772,366	45,801	601	775,626	53,547	577	765,102	62,278
Coles.....	436	598,928	36,734	657	634,158	37,513	1,023	945,648	59,503
Cook (1875).....	a3,564	29,989,309	172,346	1,391	4,722,722	78,132	2,388	18,687,202	116,226
Crawford.....	194	180,533	14,375	304	182,296	17,533	512	262,246	31,189
Cumberland.....	b 758	439,232	38,674	b 758	439,232	38,674	758	439,232	38,674
DeKalb.....	930	1,311,894	96,711	1,076	1,910,225	108,894	929	1,892,233	88,463
DeWitt.....	789	1,202,516	85,917	628	806,396	56,282	857	1,191,927	70,527
Douglas.....	515	771,831	51,503	1,010	1,054,327	87,994	1,004	1,296,176	79,356
DuPage.....	514	1,028,044	32,848	585	1,158,891	38,764	441	1,042,259	26,962
Edgar.....	386	538,315	35,702	779	853,669	61,532	1,032	1,274,404	92,089
Edwards.....	246	173,678	18,185	296	122,020	14,479	297	155,196	17,055
Effingham.....	392	219,966	26,251	653	406,460	52,275	777	416,806	60,996
Fayette.....	364	277,834	28,144	830	494,254	63,729	1,374	813,538	106,906
Ford.....	1,457	2,590,056	232,549	825	1,059,826	95,368	1,046	1,703,831	114,594
Franklin.....	139	56,617	9,064	437	306,594	32,570	221	101,792	17,032
Fulton.....	741	752,029	59,078	1,029	1,096,448	87,908	1,932	2,256,480	167,890
Gallatin.....	c 435	357,667	41,815	529	390,264	52,927	435	357,667	41,815
Greene.....	163	201,204	13,179	365	671,979	89,989	466	769,307	87,810
Grundy.....	800	923,989	75,469	721	1,327,163	75,724	722	1,586,890	79,619
Hamilton.....	100	34,618	9,145	589	244,216	40,807	853	240,584	56,634
Hancock.....	504	732,206	43,696	1,215	1,264,497	100,193	1,357	1,601,021	105,926
Hardin.....	b 69	15,296	4,838	b 69	15,296	4,838	69	15,296	4,838
Henderson.....	261	432,907	30,936	310	454,244	32,894	260	597,810	36,347
Henry.....	963	1,331,090	84,708	1,385	2,412,865	126,310	1,373	2,629,356	147,767
Iroquois.....	2,026	3,801,262	259,096	2,156	2,543,371	207,687	2,491	3,514,359	232,152
Jackson.....	450	964,474	45,350	540	392,231	47,155	817	453,350	62,048
Jasper.....	55	24,944	5,084	949	408,549	71,694	643	250,277	46,763
Jefferson.....	114	46,180	6,325	522	303,538	39,716	678	278,005	46,465
Jersey.....	448	528,045	45,164	739	836,692	62,882	587	949,735	70,917
Jo Daviess.....	709	785,644	67,405	814	939,171	74,304	737	938,081	72,823
Johnson.....	88	29,166	6,949	112	27,135	7,851	836	107,417	29,294
Kane.....	950	1,804,323	66,439	1,033	1,795,843	69,859	1,459	2,720,648	107,955
Kankakee.....	1,504	2,678,300	163,480	1,231	1,537,504	121,396	1,394	2,328,325	170,708
Kendall.....	620	1,482,965	66,817	890	917,991	40,358	678	1,529,682	75,425
Knox.....	787	1,336,918	73,237	1,334	2,233,120	123,149	1,351	2,558,858	148,183
Lake.....	841	996,765	56,397	773	889,795	56,091	950	1,331,732	58,197
LaSalle (1875).....	a2,382	5,580,831	248,672	1,717	3,185,435	164,268	1,925	4,132,133	195,130
Lawrence.....	141	122,396	12,375	259	89,965	14,129	514	281,741	37,458
Lee.....	1,131	1,572,579	124,155	1,255	2,321,824	180,931	1,135	2,184,977	121,182
Livingston.....	8,170	3,887,696	278,033	1,736	2,361,282	161,972	2,973	4,324,742	270,876
Logan.....	818	1,636,160	104,422	792	1,489,508	97,989	920	2,120,252	106,868
Macon.....	1,245	1,864,745	117,304	992	1,350,045	78,715	1,093	1,739,196	92,775
Macoupin.....	617	906,143	55,287	1,092	1,319,289	80,569	975	1,219,562	76,833
Madison.....	756	1,266,099	60,202	1,242	2,096,739	87,160	1,023	1,685,034	84,588
Marion.....	246	220,892	18,907	806	607,389	68,904	490	271,808	33,916
Marshall.....	458	701,867	39,759	472	796,994	46,227	476	973,827	58,928
Mason.....	546	866,198	69,257	427	620,954	50,872	556	872,172	75,297
Massac.....	63	26,260	4,971	176	98,278	16,503	193	67,818	13,977
McDonough.....	484	618,191	36,123	928	1,168,396	72,871	1,103	1,842,773	87,443
McHenry.....	1,199	1,463,269	126,505	1,368	2,297,293	180,981	1,068	1,922,076	113,694
McLean.....	2,712	4,641,900	324,487	1,782	2,521,962	186,795	1,543	2,956,151	158,120
Menard.....	171	400,943	19,192	506	632,737	38,757	580	954,649	49,930

Table XIX.—Continued.

COUNTIES.	1870.			1880.			1887.		
	No. of mortgages	Amount.	Acres.	No. of mortgages	Amount.	Acres.	No. of mortgages	Amount.	Acres.
Mercer.....	409	\$521,985	89,296	532	\$818,010	53,454	648	\$1,062,673	67,265
Monroe.....	438	479,281	47,481	506	712,967	55,727	395	593,522	54,551
Montgomery...	406	525,966	85,499	883	1,078,018	72,344	643	735,355	57,187
Morgan.....	466	955,302	42,815	756	1,063,841	51,977	900	1,506,497	64,444
Moultrie.....	313	419,048	29,442	613	598,834	41,643	1,099	1,015,006	80,163
Ogle.....	1,694	2,609,919	159,099	1,492	2,563,500	132,217	1,180	2,217,621	104,670
Peoria.....	989	1,744,355	85,052	1,435	1,995,538	124,191	1,665	3,523,967	152,223
Perry.....	259	295,256	22,847	656	357,469	47,175	572	273,281	40,083
Piatt.....	929	2,162,721	148,635	848	1,087,561	68,505	1,130	1,486,140	106,371
Pike.....	308	402,071	26,428	978	1,222,053	84,920	915	1,013,235	77,909
Pope.....	119	43,684	8,750	99	33,507	7,404	216	61,185	18,156
Pulaski.....	127	121,751	9,693	96	32,894	6,114	164	74,030	9,973
Putnam.....	124	214,658	10,560	208	262,294	22,552	276	482,964	27,253
Randolph.....	728	721,921	55,558	711	760,883	65,394	517	452,549	40,006
Richland.....	218	164,203	13,099	359	168,302	20,186	428	198,530	26,939
Rock Island...	310	376,456	23,237	986	1,589,137	83,707	840	1,271,958	75,369
Saline.....	83	30,717	6,513	186	54,403	11,966	490	153,425	34,850
Sangamon.....	375	699,869	36,711	1,239	2,613,359	109,960	1,580	3,199,689	122,678
Schuyler.....	194	132,248	17,614	463	325,936	42,360	683	684,363	74,375
Scott.....	158	199,278	13,243	76	132,762	6,286	306	467,486	29,186
Shelby.....	575	662,114	54,891	896	728,766	68,419	1,572	1,192,260	109,994
Stark.....	410	767,689	39,598	696	1,323,685	82,548	544	1,069,220	50,497
St. Clair.....	629	1,146,624	48,979	470	803,555	37,124	659	1,177,381	47,564
Stephenson.....	1,293	1,459,323	105,503	1,648	1,990,845	112,887	1,228	2,046,631	95,126
Tazewell.....	693	1,366,042	69,678	919	1,543,026	82,047	952	2,145,521	93,446
Union.....	190	156,613	13,396	329	202,306	33,871	411	237,499	37,945
Vermilion.....	1,037	1,503,545	114,568	1,324	1,467,027	101,855	2,128	2,520,816	143,143
Wabash.....	172	128,612	12,478	349	248,293	25,536	308	168,864	18,046
Warren.....	375	739,046	36,021	625	1,138,680	54,287	732	1,240,180	71,709
Washington...	742	1,085,475	70,828	1,036	1,011,512	77,371	914	926,988	88,640
Wayne.....	61,451	493,226	91,271	1,451	493,226	91,271	1,451	493,226	91,271
White.....	294	222,096	24,352	693	509,251	59,982	1,067	533,159	73,930
Whiteside.....	1,322	1,448,451	116,054	1,496	1,940,174	132,161	1,522	2,499,457	154,461
Will.....	1,635	2,151,178	142,559	1,533	2,806,563	140,964	1,397	2,311,762	126,831
Williamson...	71	21,710	4,431	203	61,380	14,193	515	171,015	33,940
Winnebago.....	1,455	2,068,931	98,878	1,547	2,321,512	117,807	762	1,394,175	54,405
Woodford.....	745	1,076,231	69,119	687	1,012,158	58,469	693	1,336,336	65,703

a The records of 1870 destroyed by fire.

b Totals of 1887 substituted; the records of 1870 and 1880 destroyed by fire.

c Totals of 1887 substituted; the records of 1870 so imperfectly kept no transcript could be made.



TABLE XX.—*Mortgages on Lots Compared for Three Periods.—Principal Amounts without Interest.*

COUNTIES.	1870.			1880.			1887.		
	No. of mortgages.	Amount.	Lots.	No. of mortgages.	Amount.	Lots.	No. of mortgages.	Amount.	Lots.
The State...	75,536	\$170,980,907	256,830	55,516	\$76,599,928	106,506	142,760	\$238,922,080	287,836
Adams.....	793	\$1,290,694	1,288	658	\$711,964	960	1,176	\$1,244,285	1,707
Alexander....	218	255,548	414	153	156,048	429	353	394,556	1,196
Bond.....	73	63,792	157	86	47,918	155	280	886,773	366
Boone.....	136	77,656	279	155	75,005	323	364	320,394	578
Brown.....	44	29,447	86	57	50,066	133	51	86,376	86
Bureau.....	283	163,094	402	335	165,380	1,074	865	449,402	1,282
Calhoun.....	1	1,904	4	19	7,012	43	8	1,979	13
Carroll.....	77	81,395	182	78	32,967	124	327	162,340	506
Case.....	54	37,380	72	247	111,962	492	923	553,080	1,690
Champaign...	578	460,581	914	703	402,833	1,183	1,076	495,999	1,860
Christian....	64	48,185	136	148	71,323	294	901	455,764	1,640
Clark.....	56	39,710	157	190	74,264	396	442	189,694	832
Clay.....	67	37,888	127	47	26,442	91	141	43,127	250
Clinton.....	143	155,249	387	100	89,403	155	78	55,730	253
Cokes.....	118	93,772	223	332	194,758	585	825	407,888	1,584
Cook (1875)...	a 52,025	148,748,059	208,403	35,655	55,315,340	45,558	77,630	191,496,506	126,099
Crawford....	41	19,947	91	88	36,240	186	246	90,482	532
Cumberland...	b 145	72,354	224	b 145	72,254	223	145	72,254	223
DeKalb.....	242	168,461	449	378	212,973	566	443	237,053	728
DeWitt.....	111	82,547	224	185	75,334	469	300	188,374	625
Douglas.....	92	46,716	150	156	47,875	293	726	408,049	1,372
DuPage.....	361	524,811	1,016	239	174,676	600	582	717,888	1,661
Edgar.....	100	54,645	168	263	179,525	405	470	210,316	922
Edwards.....	58	22,133	99	24	7,859	38	138	45,972	210
Efingham....	99	73,473	180	30	41,996	207	509	226,571	789
Fayette.....	47	24,755	106	111	40,866	279	441	309,479	1,030
Ford.....	106	87,736	174	68	25,000	183	517	298,541	982
Franklin....	11	4,371	17	67	19,779	87	90	35,499	118
Fulton.....	284	215,493	491	239	117,904	516	1,023	545,206	1,808
Gallatin....	c 107	40,626	181	87	32,967	147	133	75,353	291
Greene.....	65	49,245	105	144	72,559	208	234	138,080	340
Grundy.....	174	109,285	356	272	143,155	2,513	241	123,894	453
Hamilton....	17	2,298	16	88	11,561	80	97	44,840	151
Hancock....	188	128,638	500	229	86,060	855	513	246,413	993
Hardin.....	b 10	2,042	15	b 10	2,042	15	10	2,042	15
Henderson...	45	24,684	112	31	12,412	67	16	5,538	82
Henry.....	501	398,420	1,062	519	310,720	904	632	391,480	1,037
Iroquois....	268	99,552	496	171	77,139	316	466	210,492	1,015
Jackson....	189	118,073	349	254	112,978	418	397	163,346	673
Jasper.....	7	835	11	33	12,983	42	134	87,210	163
Jefferson...	41	17,327	62	47	21,496	63	127	47,241	194
Jersey.....	154	152,460	328	208	146,321	504	275	150,738	517
Jo Daviess...	800	174,717	596	124	65,296	283	272	227,352	633
Johnson....	5	1,041	7	36	9,258	49	77	29,170	101
Kane.....	1,255	1,151,199	2,341	1,222	801,548	2,099	3,864	3,162,812	5,622
Kankakee....	405	347,638	788	385	274,915	903	849	505,610	1,463
Kendall.....	81	59,000	191	48	28,156	85	172	75,047	312
Knox.....	565	489,551	997	603	374,744	1,141	1,251	969,245	2,377
Lake.....	314	373,099	529	289	223,089	420	467	414,802	731
LaSalle (1875)...	a 1,935	2,283,358	7,096	951	600,610	1,766	2,451	1,577,802	4,167
Lawrence....	30	17,867	51	35	15,261	57	295	113,330	392
Lee.....	482	397,538	644	352	402,401	446	469	279,478	547
Livingston...	253	184,758	630	601	153,615	815	633	494,380	1,379
Logan.....	203	182,833	452	191	120,731	593	1,250	559,411	1,941
Macon.....	281	231,590	563	684	391,610	1,379	2,012	1,400,638	3,312
Macoupin...	154	103,380	344	302	226,340	646	472	239,015	839
Madison....	252	213,186	480	437	234,133	1,022	1,091	1,038,276	2,176
Mairon.....	158	85,060	246	419	187,334	814	628	340,767	1,165
Marshall...	113	133,415	177	90	53,512	208	101	58,854	155
Mason.....	110	95,326	230	121	49,909	269	465	226,332	948
Massac.....	42	21,955	97	42	24,170	113	111	64,926	205
McDonough...	133	86,112	327	238	121,014	611	508	211,485	1,187
McHenry....	182	116,305	306	268	141,500	548	859	222,166	567
McLean.....	1,861	1,918,818	3,165	1,080	744,405	1,833	2,376	2,011,712	3,487
Menard.....	56	49,325	159	138	100,272	526	245	300,784	532
Mercer.....	75	42,636	208	73	33,231	624	137	77,969	437

Table XX.—Continued.

COUNTIES.	1870.			1880.			1887.		
	No. of mort-gages.	Amount.	Lots.	No. of mort-gages	Amount.	Lots.	No. of mort-gages.	Amount.	Lo's.
Monroe .....	86	\$60,497	178	130	\$93,342	820	75	\$50,812	149
Montgomery ..	82	62,944	143	188	93,212	518	984	515,582	1,845
Morgan .....	435	459,016	627	542	529,400	942	773	663,385	1,108
Montrie .....	6	2,466	27	73	23,457	234	148	85,500	409.
Ogle .....	299	234,291	890	296	184,363	1,043	190	104,323	500
Perris .....	631	1,815,455	1,634	2,607	2,663,910	5,076	3,682	4,162,852	5,780
Perry .....	137	125,412	188	149	86,869	255	221	104,509	377
Platt .....	56	31,079	149	173	52,029	417	380	180,899	908
Pike .....	114	108,218	237	335	226,121	1,024	237	76,814	489
Pope .....	19	16,491	25	6	1,927	9	27	6,099	31
Pulaski .....	20	10,977	39	25	4,911	39	14	7,009	16
Putnam .....	25	14,287	57	37	9,437	125	28	8,929	55
Randolph .....	102	68,754	254	240	188,711	569	199	95,561	378
Richland .....	75	45,542	197	103	44,984	161	215	126,082	409
Rock Island .....	554	636,024	1,282	1,013	758,089	1,628	1,956	1,906,012	2,911
Saline .....	5	2,240	5	64	29,951	107	48	16,132	71
Sangamon .....	394	540,436	830	1,627	1,757,740	3,294	2,498	2,168,454	3,600
Schuyler .....	23	14,827	42	44	20,611	105	135	82,771	278
Scott .....	60	53,676	134	20	9,145	20	106	53,523	281
Shelby .....	67	79,306	112	266	128,450	457	1,702	770,539	2,850
Stark .....	47	29,677	93	70	38,667	141	58	24,886	137
St. Clair .....	850	941,390	2,056	694	657,502	1,772	1,886	1,743,769	3,544
Stephenson .....	619	473,632	1,276	654	489,919	1,427	1,187	1,011,776	2,065
Tazewell .....	263	206,331	530	815	205,448	740	575	350,526	1,064
Union .....	36	24,507	86	108	72,369	218	271	132,481	426
Vermillion .....	135	96,967	292	653	469,668	902	2,855	2,220,756	3,924
Wabash .....	67	45,953	74	72	46,494	117	418	153,330	481
Warren .....	106	104,087	174	873	336,212	536	362	242,014	541
Washington .....	94	53,798	206	159	76,961	353	303	157,258	1,116
Wayne .....	b 386	140,250	566	b 396	140,250	566	396	140,250	566
White .....	46	19,506	77	184	74,213	329	189	106,290	392
Whiteside .....	233	191,158	641	424	339,130	1,035	787	468,311	1,648
Will .....	641	493,758	1,173	729	769,685	1,313	3,171	3,335,886	4,568
Williamson .....	2	1,235	3	13	1,904	24	95	29,665	198
Winnebago .....	770	775,626	1,295	709	901,782	942	1,600	1,690,348	2,094
Woodford .....	396	119,753	463	107	43,919	342	204	112,640	521

a The records of 1870 destroyed by fire.

b Totals of 1887 substituted; the records of 1870 and 1880 destroyed by fire.

c Totals of 1870 estimated.

TABLE XXI.—*Mortgages on Personal Property Compared for Three Periods—Principal, without Interest.*

COUNTIES.	1870.		1880.		1887.	
	Number of mortgages.	Amounts.	Number of mortgages.	Amounts.	Number of mortgages.	Amounts.
The State.....	30,485	\$13,762,541	43,124	\$11,808,187	74,740	\$30,730,779
Adams.....	295	\$139,238	247	\$94,254	331	\$118,091
Alexander.....	17	8,851	80	11,880	90	23,978
Bond.....	66	23,087	57	17,899	130	49,755
Boone.....	142	51,702	137	38,019	198	58,732
Brown.....	69	20,123	64	11,040	124	27,743
Bureau.....	212	65,798	300	106,356	463	190,222
Calhoun.....	35	9,434	61	13,998	92	16,533
Carroll.....	38	116,798	187	64,659	257	62,145
Case.....	87	53,217	131	43,703	188	81,615
Champaign.....	848	144,016	843	258,130	661	202,304
Christian.....	313	142,362	343	115,076	437	150,727
Clark.....	41	13,320	188	69,146	123	45,415
Clay.....	34	11,004	91	27,978	110	39,528
Clinton.....	182	87,301	118	40,687	234	70,543
Coles.....	127	37,839	188	50,804	222	81,861
Cook.....	a 11,755	6,384,932	17,229	4,118,632	40,822	10,439,529
Crawford.....	41	10,740	86	34,505	134	29,324
Cumberland.....	b 113	24,691	b 112	24,091	113	24,691
DeKalb.....	407	188,253	464	158,113	412	161,075
DeWitt.....	107	59,246	293	53,210	300	88,896
Douglas.....	132	48,579	191	56,655	319	86,229
DuPage.....	51	19,241	131	48,497	145	60,532
Edgar.....	123	34,646	228	77,655	365	139,021
Edwards.....	12	3,960	64	13,516	94	16,813
Effingham.....	84	29,838	107	20,440	216	46,278
Fayette.....	111	37,112	245	48,618	341	69,550
Ford.....	155	69,237	400	98,548	307	104,559
Franklin.....	4	383	77	14,374	81	6,692
Fulton.....	172	66,531	468	124,388	638	199,518
Gallatin.....	c 228	43,460	223	43,460	312	70,007
Greene.....	58	14,856	183	51,138	379	117,840
Grundy.....	274	100,189	300	90,138	351	109,631
Hamilton.....	18	3,354	233	74,538	296	44,641
Hancock.....	228	71,607	201	54,109	253	114,288
Hardin.....	b 66	8,788	b 65	8,788	65	8,788
Henderson.....	134	42,383	146	34,665	149	38,415
Henry.....	459	174,571	435	143,608	518	191,765
Iroquois.....	369	145,957	990	274,088	652	209,413
Jackson.....	112	41,220	346	74,677	403	84,296
Jasper.....	22	2,430	35	18,769	101	19,220
Jefferson.....	44	16,241	208	49,979	184	27,832
Jersey.....	107	31,308	116	36,181	239	78,632
Jo Daviess.....	122	48,000	225	67,068	309	60,502
Johnson.....	12	1,713	63	7,876	184	25,171
Kane.....	221	101,045	231	121,330	750	319,990
Kankakee.....	305	116,684	373	105,131	393	118,086
Kendall.....	119	42,700	107	40,906	229	89,176
Knox.....	485	170,167	676	214,498	476	169,151
Lake.....	118	41,139	134	65,377	162	54,994
LaSalle.....	a 648	276,498	615	259,904	573	258,653
Lawrence.....	30	11,090	69	32,294	87	19,135
Lee.....	499	193,662	436	155,474	536	199,050
Livingston.....	370	104,144	442	114,884	800	80,788
Logan.....	252	169,246	445	176,340	767	276,455
Macon.....	296	109,737	379	97,034	732	162,406
Macoupin.....	312	100,750	196	68,285	406	149,566
Madison.....	363	168,419	306	91,751	560	171,823
Marion.....	72	24,430	195	71,624	347	84,781
Marshall.....	290	109,722	164	60,923	171	58,115
Mason.....	337	162,341	424	108,988	472	165,081
Massac.....	14	35,474	41	5,027	94	12,815
McDonough.....	186	57,659	169	60,603	336	109,281
McHenry.....	329	104,186	377	123,973	479	153,015
McLean.....	535	229,184	687	168,328	760	229,274
Menard.....	71	28,278	156	49,006	192	66,723

Table XXI.—Continued.

COUNTIES.	1870.		1880.		1887.	
	Number of mortgages.	Amounts.	Number of mortgages.	Amounts.	Number of mortgages.	Amounts.
Mercer.....	200	\$66,346	286	\$99,012	241	\$79,216
Monroe.....	374	148,438	169	57,387	325	121,534
Montgomery.....	219	72,118	156	77,165	309	92,763
Morgan.....	158	76,637	222	96,233	306	141,687
Moultrie.....	44	14,513	133	35,138	371	69,129
Ogle.....	348	123,400	367	110,578	454	136,805
Peoria.....	572	254,622	628	238,599	1,158	398,167
Perry.....	65	16,693	214	40,048	281	29,792
Piatt.....	122	59,224	185	88,457	284	125,353
Pike.....	256	77,653	231	58,265	544	134,168
Pope.....	3	307	116	12,433	180	23,758
Polaski.....	37	11,463	104	15,152	94	15,521
Putnam.....	71	22,665	36	8,311	83	42,225
Randolph.....	173	47,637	261	64,910	339	70,965
Richland.....	83	7,962	102	19,306	131	36,735
Rock Island.....	126	39,508	238	119,770	266	78,380
Saline.....	60	8,445	129	15,991	266	81,895
Sangamon.....	154	128,075	714	169,312	599	276,967
Schuyler.....	107	32,294	137	31,908	233	62,613
Scott.....	33	24,494	130	37,511	173	44,653
Shelby.....	187	63,416	373	107,691	591	120,220
Stark.....	187	63,136	151	47,064	156	62,357
St. Clair.....	262	126,162	244	89,370	559	135,103
Stephenson.....	291	152,792	300	108,472	294	86,172
Tazewell.....	297	124,383	159	65,531	355	123,224
Union.....	64	13,600	193	47,665	302	61,461
Vermilion.....	154	67,069	551	101,117	687	141,787
Wabash.....	32	9,462	100	16,031	197	30,689
Warren.....	255	103,116	365	131,430	337	125,871
Washington.....	231	115,893	194	48,668	382	98,747
Wayne.....	210	52,257	210	52,257	210	52,257
White.....	145	34,191	337	77,524	475	95,303
Whiteside.....	444	166,396	674	180,108	747	248,408
Will.....	522	215,079	386	160,476	494	191,470
Williamson.....	26	3,325	125	22,031	215	32,551
Winnemago.....	274	123,400	399	97,483	534	152,925
Woodford.....	293	137,901	199	65,317	167	80,413

*a* The records of 1870 destroyed by fire.

*b* Totals of 1887 substituted; the records of 1870 and 1880 destroyed by fire.

*c* Totals of 1880 substituted; the records of 1870 so imperfectly kept no transcript could be made.

TABLE XXII—*Mortgages to Building and Loan Associations.*

COUNTIES.	1887.					Average term—Years.	TOTALS IN FORCE 1887.			
	No. of associa- tions.	No. of mort- gages.	Amounts	Acres	Lots.		No. of mort- gages.	Amount.	Acres	Lots.
The State .....	348	6,733	\$7,262,446	6,859	9,456	3.80013	27,128	\$27,601,082	24,147	38,051
Adams .....	3	63	\$60,300	20	70	5.833	336	\$321,580	107	373
Alexander .....	2	21	14,875	...	35	4.5	95	68,938	...	158
Bond .....	1	18	10,975	...	22	8	144	87,800	...	176
Boone .....	a	...	...	...	...	...	...	...	...	...
Brown .....	1	4	1,350	80	5	3	19	4,080	240	15
Bureau .....	2	7	7,500	...	7	2.5	18	18,750	...	18
Calhoun .....	a	...	...	...	...	...	...	...	...	...
Carroll .....	1	8	3,300	...	9	2	16	6,600	...	14
Cass .....	4	120	71,047	...	199	7.75	930	550,614	...	1,542
Champaign .....	10	106	40,228	45	158	1.9	201	76,433	86	300
Christian .....	5	98	59,650	48	155	2.4	235	143,160	115	573
Clark .....	4	32	11,850	101	44	2	64	23,700	202	88
Clay .....	2	23	10,550	374	33	3	69	31,650	1,122	99
Clinton .....	a	...	...	...	...	...	...	...	...	...
Coles .....	6	117	50,760	182	138	3.5	410	177,060	567	453
Cook .....	99	2,067	4,050,218	4	2,713	3.253	6,724	18,175,348	13	8,825
Crawford .....	4	30	14,450	...	64	2.25	68	32,515	...	144
Cumberland .....	2	21	11,000	47	35	3.5	74	38,500	165	123
DeKalb .....	1	14	7,275	...	23	3	42	21,825	...	69
DeWitt .....	2	35	27,450	34	46	3.5	123	96,075	119	161
Douglas .....	3	81	53,100	85	227	4	324	212,400	340	906
DuPage .....	2	2	3,500	2	1	3.5	7	12,250	7	4
Edgar .....	6	34	13,730	...	53	2.333	79	32,032	...	124
Edwards .....	1	10	3,200	...	14	1	10	8,200	...	14
Effingham .....	2	52	19,950	74	77	3.5	182	69,825	259	270
Fayette .....	4	47	22,594	436	88	4.25	300	96,025	1,833	374
Ford .....	2	67	41,900	1	109	5	335	206,500	5	545
Franklin .....	a	...	...	...	...	...	...	...	...	...
Fulton .....	4	72	43,700	74	111	5.25	578	229,435	349	533
Gallatin .....	1	3	1,100	...	4	8	24	8,600	...	32
Greene .....	3	29	17,127	362	34	4.333	120	74,211	1,523	147
Grundy .....	2	4	5,875	...	9	2.5	10	14,688	...	23
Hamilton .....	1	1	1,000	40	...	4	4	4,000	160	...
Hancock .....	3	41	11,445	8	67	5.5	226	62,948	44	309
Hardin .....	a	...	...	...	...	...	...	...	...	...
Henderson .....	a	...	...	...	...	...	...	...	...	...
Henry .....	2	47	22,406	...	63	6	282	134,436	...	378
Iroquois .....	4	30	18,970	...	76	4.25	128	80,923	...	323
Jackson .....	1	10	7,606	80	16	3	30	22,818	240	48
Jasper .....	2	14	3,700	...	18	3.5	49	12,950	...	63
Jefferson .....	1	6	4,500	...	8	5	60	22,500	...	40
Jersey .....	1	12	6,600	...	19	1	12	6,600	...	19
Jo Daviess .....	a	...	...	...	...	...	...	...	...	...
Johnson .....	1	9	3,101	...	9	1	9	3,101	...	9
Kane .....	2	148	141,830	2	170	6.5	962	918,970	13	1,105
Kankakee .....	1	26	19,750	20	39	3	78	59,250	60	117
Kendall .....	a	...	...	...	...	...	...	...	...	...
Knox .....	2	78	47,000	20	98	3.5	273	154,500	70	336
Lake .....	4	4	6,300	8	6	3.25	13	20,475	10	20
LaSalle .....	11	189	106,493	19	291	3.818	722	406,609	73	1,111
Lawrence .....	4	59	22,900	619	66	3	177	68,700	1,857	198
Lee .....	1	5	1,950	...	5	1	5	1,950	...	5
Livingston .....	3	38	27,300	...	62	3.666	121	99,715	...	237
Logan .....	6	163	70,285	320	419	3.167	516	222,527	1,012	1,596
Macon .....	3	103	67,680	2	110	5.333	549	360,937	11	625
Macoupin .....	5	31	18,489	65	33	2.6	81	48,071	169	84
Madison .....	9	95	73,583	...	139	2.556	243	186,078	...	355
Marion .....	6	79	31,275	378	107	5.6	442	175,140	2,117	599
Marshall .....	a	...	...	...	...	...	...	...	...	...
Mason .....	3	70	85,300	108	106	4.333	303	152,955	468	459
Massac .....	1	3	750	...	3	1	3	750	...	3
McDonough .....	1	41	18,010	161	58	6	246	108,060	966	348
McHenry .....	a	...	...	...	...	...	...	...	...	...
McLean .....	4	155	95,915	...	196	3.75	581	350,681	...	735
Menard .....	2	36	22,542	108	64	6	216	135,262	648	354
Mercer .....	a	...	...	...	...	...	...	...	...	...
Monroe .....	a	...	...	...	...	...	...	...	...	...
Montgomery .....	6	104	65,449	344	185	3.333	399	250,866	1,319	709
Morgan .....	2	96	88,700	...	132	4.5	432	399,150	...	594

Table XXII—Continued.

COUNTIES.	1887.					Average term—Years.	TOTALS IN FORCE 1887.			
	No. of associations.	No. of mortgages.	Amount.	Acres.	Lots.		No. of mortgages.	Amount.	Acres.	Lots.
Moultrie.....	2	6	\$2,700	70	19	2.5	15	\$8,750	175	48
Ogle.....		a								
Peoria.....	5	141	114,450	6	185	7.2	1,015	824,040	43	1,832
Perry.....	3	16	9,687	230	23	1.666	27	18,139	367	83
Piatt.....	2	21	11,475	166	43	2	42	22,950	332	86
Pike.....		a								
Pope.....		a								
Pulaski.....		a								
Putnam.....		a								
Randolph.....	1	1	1,068	40		2	2	2,116	80	
Richland.....	1	23	7,910		31	5	115	39,550		155
Rock Island.....	3	108	90,150	72	198	5.666	612	510,790	406	1,122
Saline.....	1	4	1,900	25	5	1	4	1,900	25	5
Sangamon.....	7	267	239,087	120	299	5.143	1,373	1,229,367	617	1,538
Schuyler.....	2	15	6,805		22	4	60	27,220		88
Scott.....	1	11	2,799		21	5	55	13,995		105
Shelby.....	7	197	97,650		321	4.143	816	404,564		1,330
Stark.....		a								
St. Clair.....	6	59	54,567	234	89	2.666	157	225,456	624	236
Stephenson.....	1	56	46,985	42	70	5	280	234,925	210	350
Tazewell.....	3	73	46,975	80	103	4.666	341	219,185	373	481
Union.....	1	24	14,050	128	27	3	72	42,150	384	51
Vermilion.....	15	320	288,752	656	349	4.733	1,515	1,366,663	8,105	1,652
Wabash.....	1	86	21,750		38	5	180	108,750		190
Warren.....	1	30	15,730		38	6	180	94,380		223
Washington.....	1	18	8,370	20	24	5	90	41,850	100	120
Wayne.....	2	31	19,100		44	3	109	66,850		154
White.....	1	19	6,800	220	19	4	76	27,200	880	76
Whiteside.....	4	89	27,000	12	43	2.25	88	60,750	27	97
Will.....	4	265	239,400	12	232	3.75	994	1,035,250	45	1,095
Williamson.....	1	8	3,700		8	1	8	3,700		8
Winnebago.....	1	72	85,433		93	7	504	598,031		651
Woodford.....		a								

a No mortgages of this class recorded.

### Mortgages to Building and Loan Associations—1880.

COUNTIES.	1880.			
	No. of mortgages.	Amount.	Acres.	Lots.
The State.....	497	\$371,355	306	661
Adams.....	16	\$22,800		22
Alexander.....	3	1,700		8
Cass.....	29	11,900	27	88
Cook.....	63	77,706		72
Cumberland.....	b			
DeWitt.....	3	932		8
Edgar.....	1	500		1
Fayette.....	2	950	80	2
Hardin.....	b			
LaSalle.....	46	18,815		71
Macon.....	4	3,500		6
Marion.....	24	11,250	58	29
Morgan.....	33	21,425		49
Peoria.....	123	96,400	4	171
Piatt.....	4	633		11
Rock Island.....	7	5,775		8
Sangamon.....	57	37,837	15	73
Shelby.....	18	15,000		40
St. Clair.....	1	250		2
Vermilion.....	33	31,233	122	37
Wayne.....	b			
Will.....	30	14,200		53

b The records of 1880 destroyed by fire.

TABLE XXIII.—*Mortgages Executed to*

COUNTIES.	1870.				1880.			
	MORTGAGES RECORDED.				MORTGAGES RECORDED.			
	No.	Amounts.	Acres.	Lots.	No.	Amounts.	Acres.	Lots.
The State.....	3,796	\$11,145,640	456,613	1,518	2,812	\$6,123,007	271,426	1,535
Adams.....	6	\$22,354	790	7	10	\$13,100	440	13
Alexander.....	6	72,400	3,673	8	15	1,000	250	2
Bond.....	22	40,247	1,847	24	18	44,261	3,414	2
Boone.....	1	2,000	260	22	18	25,124	1,178	24
Brown.....	25	60,592	2,951	3	22	33,523	2,743	8
Bureau.....	3	1,104	315	7	12	33,600	1,833	8
Calhoun.....	24	48,750	2,457	7	7	7,247	1,459	1
Carroll.....	3	12,000	470	6	8	8,190	493	1
Cass.....	425	661,871	58,311	64	10	21,700	2,704	60
Champaign.....	9	17,910	993	41	337	327,892	21,897	13
Christian.....	10	11,065	810	6	41	59,065	8,976	13
Clark.....	9	22,683	2,198	4	6	4,850	320	1
Clay.....	16	24,968	1,475	14	6	5,600	876	1
Clinton.....	10	43,464	1,687	83	9	27,620	1,517	73
Coles.....	a 80	2,625,744	5,604	225	124	1,619,323	841	631
Cook (1875).....	1	262	40	1	1	262	40	1
Crawford.....	b 78	95,222	8,982	14	b 38	82,452	4,018	11
Cumberland.....	67	103,749	8,349	6	30	67,726	4,186	9
DeKalb.....	38	60,772	4,766	17	120	147,211	11,278	20
DeWitt.....	17	28,696	912	31	8	22,350	637	4
Douglas.....	8	9,070	1,100	1	28	26,052	1,488	9
DuPage.....	5	1,020	240	5	5	1,020	240	5
Edgar.....	25	29,697	3,153	1	45	35,160	4,588	7
Edwards.....	74	120,576	6,187	8	10	11,020	770	6
Effingham.....	3	1,948	283	29	48	83,825	6,406	2
Fayette.....	5	8,591	440	4	29	19,901	2,591	1
Ford.....	c 1	1,000	80	21	3	6,300	400	2
Franklin.....	44	62,290	4,859	3	21	39,900	4,288	2
Fulton.....	6	1,877	582	26	36	45,684	2,545	21
Gallatin.....	38	44,328	2,927	60	33	25,319	3,711	13
Greene.....	b 5	22,970	1,180	12	57	68,700	5,108	13
Grundy.....	57	62,956	2,508	118	b 12	30,299	1,772	5
Hamilton.....	147	290,703	25,708	12	40	74,036	4,311	5
Hancock.....	8	527,594	747	9	154	212,654	16,918	17
Hardin.....	5	2,700	460	8	8	9,100	518	2
Henderson.....	25	5,814	1,120	1	45	39,205	5,252	1
Henry.....	10	83,259	1,673	1	28	14,515	2,485	1
Iroquois.....	2	7,840	280	2	1	3,680	130	1
Jackson.....	1	856	100	7	3	4,313	320	2
Jasper.....	27	48,372	733	33	7	3,154	514	2
Jefferson.....	107	189,985	15,718	19	31	59,013	1,721	39
Jersey.....	5	9,900	892	42	42	64,038	4,973	11
Jo Daviess.....	29	64,214	2,618	6	6	14,729	478	1
Johnson.....	14	39,968	520	13	40	75,975	3,611	33
Kane.....	a 109	627,664	13,827	75	11	27,343	672	5
Kankakee.....	3	2,694	380	1	98	143,104	5,723	96
Kendall.....	91	120,317	10,965	14	1	1,190	1	1
Knox.....	354	458,640	46,782	40	29	68,360	3,763	4
Lake.....	100	195,816	14,778	12	132	202,354	13,956	16
LaSalle (1875).....	51	110,578	6,745	24	68	153,041	9,525	22
Lawrence.....	23	60,811	2,874	11	29	74,900	2,685	40
Lee.....	41	152,970	3,607	21	39	69,342	3,489	10
Livingston.....	15	19,484	1,350	7	14	25,818	2,608	2
Logan.....	34	67,673	4,278	3	22	39,925	2,469	5
Macon.....	47	108,760	9,227	12	6	11,605	658	1
Macoupin.....	2	80,800	80	26	12	32,900	3,012	10
Madison.....	31	54,593	2,935	2	1	4,000	138	1
Marion.....	19	36,124	2,690	6	27	35,217	2,451	16
Marshall.....	482	890,873	52,847	188	26	37,526	2,061	11
Massac.....	9	28,050	1,340	1	78	172,302	8,532	77
McDonough.....					6	11,700	736	24
McHenry.....								
McLean.....								
Menard.....								

## Non-Residents of the State.

1887.				Average term—years. 1887.	TOTAL MORTGAGES IN FORCE 1887.			
MORTGAGES RECORDED.								
No.	Amounts.	Acres.	Lots.	No.	Amounts.	Acres.	Lots.	
8,407	.....	822,501	.....	4.896229	.....	\$41,754,557	.....	6,269
.....	\$9,497,812	.....	1,426	.....	14,976	.....	1,417,791	.....
15	\$41,148	758	18	2.76	41	\$118,555	2,078	36
1	3,500	.....	1	5	5	17,500	.....	5
53	48,095	4,897	2	4.279	237	206,799	20,954	9
12	20,757	785	12	4.489	54	98,178	8,524	54
18	23,471	2,004	.....	4.144	75	97,264	8,305	.....
26	53,925	2,198	15	4.981	128	266,904	10,814	74
6	9,825	1,231	.....	4.756	29	46,728	5,855	.....
6	12,300	500	1	4.237	25	52,115	2,119	4
7	29,886	1,127	3	5.173	86	154,342	5,830	16
214	818,408	18,886	81	4.604	965	1,465,950	86,951	873
39	79,285	4,826	.....	4.08	159	298,799	17,650	.....
84	51,521	9,674	2	4.414	371	227,414	43,701	9
2	8,300	280	.....	5	10	16,500	1,400	.....
1	2,000	160	.....	1	1	2,000	160	.....
104	148,942	8,516	43	4.289	441	681,865	36,099	182
198	3,980,344	630	385	4.595	882	18,289,681	2,895	1,769
13	16,225	1,460	.....	4.972	65	80,671	7,259	.....
14	14,804	918	3	3.248	45	48,009	2,971	10
24	63,242	2,464	5	4.698	113	297,111	11,576	28
62	110,167	6,219	17	4.009	249	441,660	24,932	68
119	203,588	11,177	18	4.481	527	901,877	49,525	80
12	32,280	1,159	24	3.844	46	124,007	611	92
38	44,050	2,945	13	4.354	144	191,794	12,329	57
2	5,313	200	4	2.882	6	15,812	576	12
32	23,728	2,437	10	3.008	96	71,249	7,318	30
30	51,545	4,507	4	4.76	143	245,954	21,458	19
56	103,119	3,580	12	4.21	226	484,131	15,072	51
20	31,946	1,908	16	1.872	87	59,808	3,562	30
6	15,508	772	.....	4.632	28	71,810	8,576	.....
14	56,068	5,189	3	2.17	30	121,646	11,152	7
5	51,800	8,800	1	2.898	14	91,997	26,458	3
22	43,570	2,571	1	5.239	115	228,263	18,469	5
7	7,692	1,062	.....	4.068	26	31,291	4,320	.....
46	84,487	4,582	35	3.426	158	299,452	15,698	120
2	218	80	.....	1.541	3	336	128	.....
10	26,523	1,488	2	4.286	48	118,916	6,391	9
55	126,877	6,459	14	4.73	255	600,128	30,551	66
127	195,640	18,824	2	4.568	590	893,684	63,143	9
45	44,268	3,664	50	3.402	153	150,566	12,466	170
16	7,734	1,597	.....	4.851	78	37,518	7,747	.....
32	20,011	2,572	11	3.609	115	72,220	9,382	40
10	35,888	1,670	6	4.759	48	170,767	7,948	29
3	13,600	.....	4	1.735	5	28,596	.....	7
7	5,002	1,188	1	1	7	5,002	1,136	1
21	40,846	202	23	3.13	66	127,848	632	72
50	86,307	6,999	23	5.471	274	472,186	35,237	126
2	4,000	160	.....	5.5	11	22,000	880	.....
40	92,518	3,496	24	3.699	148	305,234	12,932	89
8	11,600	170	10	3.543	28	41,099	702	35
111	209,817	8,261	7	4.131	469	866,754	34,126	322
25	83,885	2,877	1	4.378	109	148,130	12,596	4
48	105,225	6,042	4	4.677	224	492,137	29,258	19
187	219,850	12,085	.....	4.9	671	1,077,265	64,116	.....
54	144,447	6,715	20	4.640	251	671,534	31,218	98
49	61,334	3,893	10	4.413	218	274,728	17,297	44
36	54,523	3,106	16	3.028	109	165,126	9,465	45
81	54,451	2,183	17	2.662	88	144,949	5,811	48
9	8,940	650	35	2.051	18	18,336	1,262	72
6	27,500	1,420	.....	4.908	30	186,620	7,055	.....
56	121,746	8,770	1	4.471	246	544,326	39,211	4
5	2,382	899	.....	2.606	13	6,207	.....	.....
8	5,179	553	9	5.381	43	27,609	2,948	48
12	29,406	1,232	2	4.115	49	121,002	5,070	8
71	195,489	7,873	30	4.363	310	852,919	34,350	131
9	41,450	2,187	.....	3.52	32	145,904	7,733	.....



Table XXIII.—Mortgages Executed to

COUNTIES.	1870.				1880.			
	MORTGAGES RECORDED.				MORTGAGES RECORDED.			
	No.	Amounts.	Acres.	Lots.	No.	Amounts	Acres.	Lots.
Mercer.....	6	\$10,675	360	5	7	\$11,924	560	5
Monroe.....	11	21,719	985	7	4	18,360	846	.....
Montgomery.....	32	68,886	2,478	12	39	56,910	3,378	9
Morgan.....	11	40,053	1,462	7	1	15,000	.....	2
Moultrie.....	10	16,238	1,174	.....	53	61,185	4,338	14
Ogle.....	27	81,684	5,316	2	8	17,792	1,039	.....
Peoria.....	36	132,849	2,719	50	47	122,615	4,408	26
Perry.....	3	18,400	1,040	2	18	11,438	1,294	.....
Platt.....	101	270,233	90,110	4	59	99,554	5,975	3
Pike.....	1	11,000	200	.....	33	59,866	2,963	22
Pope.....	d.....	.....	.....	.....	2	348	160	.....
Pulaski.....	d.....	.....	.....	.....	d.....	.....	.....	.....
Putnam.....	7	9,450	756	2	3	9,000	618	.....
Randolph.....	6	8,450	689	.....	4	5,010	140	1
Richland.....	9	16,979	1,333	25	6	6,250	620	4
Rock Island.....	50	80,930	2,569	22	38	56,890	8,555	20
Saline.....	.....	.....	.....	.....	2	2,900	160	1
Sangamon.....	27	85,998	1,956	35	7	20,480	680	6
Schuyler.....	1	300	.....	1	5	4,826	570	25
Scott.....	2	6,500	80	8	.....	.....	.....	.....
Shelby.....	8	85,655	2,448	.....	9	12,300	730	.....
Stark.....	31	51,273	8,125	8	12	15,039	868	2
St. Clair.....	31	146,074	2,095	46	8	24,350	575	11
Stephenson.....	16	89,164	1,900	11	9	16,208	1,042	7
Tazewell.....	36	187,155	9,773	12	28	62,141	3,164	8
Union.....	2	5,000	316	.....	12	16,793	2,436	.....
Vermillion.....	35	216,997	15,178	11	35	139,915	6,381	26
Wabash.....	8	10,155	160	8	8	28,493	1,810	17
Warren.....	6	15,851	437	2	12	34,805	950	6
Washington.....	37	70,065	4,110	2	14	20,960	1,602	.....
Wayne.....	d.....	.....	.....	.....	d.....	.....	.....	.....
White.....	5	9,225	336	1	30	23,939	2,806	18
Whiteside.....	37	68,300	4,830	12	30	63,320	2,992	16
Will.....	130	769,916	11,059	53	69	318,243	7,170	11
Williamson.....	.....	.....	.....	.....	6	2,311	474	.....
Winnebago.....	20	61,856	1,004	13	24	32,798	705	20
Woodford.....	57	94,835	6,331	8	1	1,200	80	.....

a Records of 1870 destroyed by fire.

b Records of 1870 and 1880 destroyed by fire.

c The records of 1870 so imperfectly kept no transcript could be made.

d No mortgages of this class recorded.

*Non-Residents of the State—Continued.*

1887.				Average term—years. 1887.	TOTAL MORTGAGES IN FORCE 1887.			
MORTGAGES RECORDED.					No.	Amounts.	Acres.	Lots.
No.	Amounts.	Acres.	Lots.					
14	\$15,580	1,592	5	4.545	64	\$70,867	7,296	28
6	22,192	874	3	4.591	28	106,479	4,013	14
88	63,666	3,536	12	2.473	94	157,446	8,745	80
10	26,557	460	19	4.966	50	181,572	2,384	94
101	105,005	8,594	22	4.802	485	504,234	41,268	106
80	88,149	3,994	4	4.423	133	399,893	17,665	18
88	106,644	2,859	15	4.101	156	437,247	11,725	62
13	13,360	1,239	1	4.049	53	54,096	5,017	4
112	170,885	11,454	13	4.539	508	773,378	51,990	59
87	61,508	2,899	4	3.026	112	186,108	8,772	12
3	2,700	529	.....	2.815	8	7,601	1,489	.....
d.....	.....	.....	.....	.....	.....	.....	.....	.....
2	2,300	210	.....	3.455	7	7,601	726	.....
6	8,300	764	.....	5	30	41,500	8,820	.....
24	19,970	2,255	.....	4.977	119	99,391	11,223	.....
61	123,823	4,195	28	5.989	365	741,576	25,124	168
28	21,708	3,359	8	3.478	97	75,500	11,688	10
28	65,294	2,327	25	2.877	66	157,851	6,407	72
8	12,235	926	9	2.732	22	23,438	2,581	25
3	1,635	200	.....	2.106	6	8,443	421	.....
16	29,380	657	3	4.248	68	124,721	2,791	13
4	5,250	363	.....	4.905	20	25,751	1,805	.....
18	31,808	566	15	2.492	45	79,296	1,410	37
6	7,064	555	2	4.774	29	33,676	2,650	10
26	46,530	2,420	11	4.051	105	188,493	9,803	45
7	10,394	845	6	3.032	21	81,383	1,046	18
101	157,595	8,178	25	4.124	417	649,922	33,726	103
12	7,881	557	5	3.139	38	24,738	1,748	16
18	76,843	3,900	7	3.6	65	276,635	14,040	25
54	79,152	6,363	.....	4.447	240	351,989	30,831	.....
76	33,924	5,785	11	4.184	836	150,306	24,204	46
26	34,751	1,843	12	1.493	39	51,853	2,752	18
17	31,912	2,195	.....	4.145	70	132,275	9,098	.....
55	171,143	4,332	42	5.303	296	890,457	22,539	219
3	4,338	594	.....	3.45	10	14,966	2,049	.....
17	58,275	1,089	7	4.418	75	285,369	4,811	31
2	6,000	480	.....	5	10	30,000	2,400	.....

TABLE XXIV.—*Distribution of Mortgage Indebtedness*

STATES.	1870.				1880.			
	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
The States .....	8,767	\$11,081,597	452,717	1,513	2,787	\$6,068,892	268,729	1,540
Alabama .....	1	\$1,500	80					
Arkansas .....	2	2,725		1	4	\$1,400	201	
California .....	6	5,304	241	5	18	27,195	1,437	7
Colorado .....	1	11,000	200		16	19,890	972	
Connecticut .....	875	2,947,884	128,282	278	371	698,776	45,198	127
Delaware .....	2	10,950	819		2	6,096	40	4
District of Columbia .....	6	13,670	607	2	18	116,916	1,508	11
Florida .....					3	8,200	412	
Indiana .....	108	137,896	8,810	24	115	164,096	9,198	86
Iowa .....	70	104,770	5,529	90	94	127,545	7,493	42
Kansas .....	17	18,838	888	23	45	56,573	4,080	26
Kentucky .....	44	94,772	5,077	10	37	71,708	4,273	2
Louisiana .....	4	6,650	240	3	1	350		1
Maine .....	23	31,100	978	35	34	50,565	3,767	4
Maryland .....	6	7,099	406	6	3	10,693	14	3
Massachusetts .....	129	903,688	11,182	86	116	238,195	9,846	72
Michigan .....	31	59,328	3,816	12	79	144,050	7,458	33
Minnesota .....	10	7,149	227	15	9	11,506	563	8
Mississippi .....	1	10,000						
Missouri .....	215	639,171	21,356	147	223	379,912	26,601	61
Nebraska .....	2	1,400	1	2	27	81,248	1,998	18
Nevada .....					2	7,000	348	
New Hampshire .....	81	59,539	2,985	6	17	44,850	1,211	14
New Jersey .....	43	71,972	4,696	14	36	53,848	3,276	13
New York .....	1,412	4,223,829	173,469	367	790	1,402,066	80,296	226
North Carolina .....	1	600		1				
Ohio .....	202	384,874	21,002	85	204	499,212	15,686	279
Oregon .....	1	2,000	80		1	1,000	50	
Pennsylvania .....	286	454,933	26,452	96	135	378,046	11,467	89
Rhode Island .....	20	69,800	4,123	21	24	53,663	3,890	
South Carolina .....					1	200	80	
Tennessee .....	1	5,500	80					
Texas .....	2	2,300	180		4	4,050	379	
Vermont .....	86	162,647	9,145	48	103	480,392	8,648	30
Virginia .....	4	8,900	880		4	5,500	257	
West Virginia .....	5	5,390	480		6	9,511	1,490	
Wisconsin .....	121	531,092	10,340	77	98	850,116	4,545	110
Unknown .....	54	94,896	12,246	59	152	194,486	12,132	338
Territories .....					6	\$2,936	480	2
Arizona .....					1	\$367	40	
Dakota .....					2	1,500	158	
Indian .....					1	329	140	
Montana .....					1	125		2
Utah .....								
Washington .....					1	715	120	
Foreign Countries .....	29	\$64,041	3,896	5	19	\$31,179	2,287	13
Canada .....	4	\$13,502	343	3	8	\$2,579	20	1
Cuba .....	13	24,500	2,840					
England .....	2	3,609	80	1	8	18,500	486	
Europe .....	4	8,930	813					
France .....					1	2,500	80	
Germany .....	2	2,500	80	1	2	200		11
Ireland .....								
Mexico .....								
New Brunswick .....	1	1,000	80					
Nova Scotia .....	1	1,500		1		900		1
Scotland .....	1	3,000	80	1	1	10,000	1,411	
Switzerland .....	1	1,500	80	2	1	1,000	200	
Turkey .....					1	500	40	
Aggregates .....	3,796	\$11,145,640	456,613	1,518	2,812	\$6,123,007	271,426	1,555

## MORTGAGE INDEBTEDNESS.

CXV

*to Non-Residents of the State.*

1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
3,870		819,719		14,815		1,405,559	
	\$9,884,471		1,399		\$41,256,285		6,151
1	\$1,600	80		4	\$7,084	352	
26	58,550	1,688	27	114	235,418	7,448	119
15	17,699	810	9	66	77,809	3,561	40
717	2,256,372	82,225	128	3,152	9,919,528	361,480	568
4	4,500	880		18	19,783	1,583	
4	6,130	180	5	18	26,949	708	22
146	308,691	11,667	132	642	885,472	51,291	560
99	138,597	7,065	72	435	587,823	31,069	317
55	45,880	3,263	41	242	201,435	13,435	180
31	48,111	2,849	4	138	211,507	12,525	18
1	6,000	200		4	26,377	879	
52	135,590	4,234	10	229	506,085	18,614	44
9	22,174	432	9	40	97,432	1,899	40
105	407,841	3,369	49	462	1,792,962	36,792	215
87	162,004	6,773	34	382	668,244	29,776	149
31	33,551	1,341	33	186	147,498	5,895	145
4	1,625	115	8	18	7,144	506	13
254	399,134	22,559	108	1,117	1,754,641	99,175	739
34	52,680	2,518	16	149	281,374	11,070	70
1	8,160	820		4	85,873	1,409	
28	41,065	1,872	12	123	180,531	8,229	53
109	153,545	11,992	28	479	807,082	32,720	123
930	1,913,393	86,151	153	4,088	8,411,714	378,739	673
130	226,124	11,232	79	669	994,093	49,878	347
1	500	18		4	2,198	79	
121	442,728	10,513	106	532	1,946,333	46,218	475
25	54,554	2,376	11	110	239,832	10,445	48
4	4,780	160	2	18	21,014	708	9
3	8,525	40	3	13	87,478	176	13
62	560,293	5,381	46	273	2,463,176	28,656	202
4	3,900	203		18	17,145	892	
2	12,806	275		9	56,308	1,209	
167	1,637,261	13,800	189	734	7,197,774	60,688	831
88	305,188	18,673	28	387	1,341,674	82,091	123
10		284		43		1,249	
	\$7,875		10		\$34,820		44
7	2,425	14	10	81	\$10,661	62	44
1	1,760	150		4	7,693	659	
1	3,000	80		4	13,189	352	
1	700	40		4	8,077	176	
27		2,498		118		10,983	
	\$105,466		17		\$463,652		74
2	\$14,000	820		9	\$61,547	3,605	
8	23,530	80	15	38	108,443	352	66
1	800	160		4	3,517	708	
10	51,800	582	1	44	225,527	2,559	4
2	6,500	370		9	28,575	1,627	
1	4,086	179		4	17,743	787	
1	2,500	227		4	10,991	998	
2	2,800	80	1	9	12,309	352	4
3,407	\$9,497,812	322,501	1,426	14,976	\$41,754,557	1,417,791	6,269

TABLE XXV.—Percentage of Acres Mortgaged, and Average Values and Incumbrance Per Acre.

COUNTIES.	ACRES MORTGAGED—1887.			Total number of acres in each county and the State .....	Percentage of acres mortgaged—1887 .....	Average value per acre of improved lands—United States Census—1880 .....	Average present incumbrance per acre on lands actually mortgaged—1887 .....	Ratio of the present mortgage indebtedness on lands, live stock and farm implements to the value of the same in 1880—U. S. Census—per cent .....
	For loans .....	For deferred payments .....	Total acres mortgaged .....					
The State .....	7,060,799	1,081,995	8,082,794	34,575,908	23.88	\$36.66	*\$18.23	113.352
Adams .....	86,158	7,607	93,765	527,584	17.77	\$46.89	\$16.56	08.065
Alexander .....	8,722	4,845	13,567	113,980	11.47	33.85	5.47	06.51
Bond .....	38,270	12,475	45,745	240,068	19.05	27.11	10.40	08.185
Boone .....	46,859	1,438	48,297	178,104	27.17	41.80	20.10	13.896
Brown .....	37,476	12,693	50,169	189,919	26.38	32.91	11.11	12.689
Bureau .....	191,585	13,089	204,674	548,866	37.28	50.34	15.41	11.825
Calhoun .....	20,894	11,486	32,580	163,599	19.54	40.05	6.36	08.498
Carroll .....	65,181	2,847	67,578	286,552	23.58	42.64	18.34	11.2
Case .....	68,106	3,552	66,658	238,405	27.96	45.34	17.34	16.055
Champaign .....	168,162	28,943	197,105	626,275	31.47	32.24	16.04	15.761
Christian .....	107,097	1,618	108,715	448,199	24.26	32.15	14.50	11.275
Clark .....	69,443	15,611	85,054	815,759	26.93	29.26	5.74	07.458
Clay .....	37,444	11,152	48,596	284,341	17.05	17.96	6.84	08.633
Clinton .....	53,059	9,216	62,278	308,126	20.21	31.82	12.74	10.746
Coles .....	48,527	11,376	59,903	521,888	18.61	32.10	16.86	09.559
Cook .....	87,171	29,087	116,228	494,723	23.5	59.12	165.64	62.886
Crawford .....	17,192	13,997	31,189	269,907	11.55	28.02	8.72	05.032
Cumberland .....	24,364	14,310	38,674	219,398	17.62	40.69	11.78	11.443
DeKalb .....	86,187	2,296	88,463	397,956	22.23	41.97	21.44	10.964
DeWitt .....	63,562	6,965	70,527	261,286	28.07	35.09	17.52	13.886
Douglas .....	68,198	11,158	79,356	262,456	30.24	32.84	16.90	76.447
DuPage .....	20,506	6,476	26,982	205,220	13.14	63.75	39.86	08.375
Edgar .....	68,833	23,256	92,089	396,477	23.22	41.09	14.34	08.696
Edward .....	15,837	1,218	17,055	139,944	12.18	26.77	9.44	06.609
Effingham .....	60,292	706	60,998	289,647	21.06	23.87	7.08	06.638
Fayette .....	104,934	1,971	106,905	427,664	24.99	22.31	7.90	12.288
For .....	110,712	3,882	114,594	304,736	37.6	28.87	15.36	20.801
Franklin .....	13,313	3,719	17,082	253,521	16.72	19.91	6.20	03.254
Fulton .....	160,996	6,824	167,820	556,332	30.16	46.75	13.95	12.738
Gallatin .....	30,098	11,717	41,815	200,680	20.84	25.93	8.88	18.26
Greene .....	86,908	907	87,810	341,409	25.72	43.90	9.09	07.432
Grundy .....	73,102	6,517	79,619	268,021	29.7	32.96	20.55	16.838
Hamilton .....	43,911	12,723	56,634	270,989	20.89	17.42	4.41	09.478
Hancock .....	99,687	6,239	105,926	485,899	21.8	41.34	15.65	09.79
Hardin .....	3,616	1,822	4,398	108,716	4.45	15.78	3.29	02.983
Henderson .....	88,606	2,741	86,347	238,845	15.22	37.24	17.06	09.167
Henry .....	145,871	1,896	147,767	515,427	28.66	44.52	18.43	11.768
Iroquois .....	168,757	68,385	232,152	704,019	32.97	29.11	15.63	19.81
Jackson .....	51,114	10,934	62,048	339,777	18.26	26.30	7.58	10.55
Jasper .....	28,852	17,911	46,763	310,900	15.04	19.31	5.57	06.629
Jefferson .....	41,893	4,572	46,465	350,616	13.25	22.50	6.21	04.174
Jersey .....	61,096	9,821	70,917	281,144	30.68	42.53	18.88	14.153
Jo Daviess .....	70,400	2,423	72,828	378,997	19.21	42.26	18.22	06.66
Johnson .....	26,007	3,267	29,294	208,788	14.03	17.28	3.81	*6.01
Kane .....	56,919	51,036	107,955	320,916	33.64	53.17	26.13	16.102
Kankakee .....	152,068	18,637	170,703	420,344	40.61	27.51	14.12	20.338
Kendall .....	60,355	15,070	75,425	298,136	37.13	53.40	20.93	14.44
Knox .....	127,390	20,798	148,183	448,484	33.04	43.17	17.85	14.06
Lake .....	52,891	5,306	58,197	282,765	20.58	54.21	23.60	10.682
LaSalle .....	175,246	19,874	195,120	710,289	27.47	49.31	21.90	12.621
Lawrence .....	27,769	9,689	37,458	280,445	16.25	31.24	7.81	05.713
Lee .....	101,697	19,585	121,182	477,226	25.39	41.39	13.65	11.968
Livingston .....	232,555	88,321	320,876	655,312	41.33	31.08	18.07	22.37
Logan .....	102,679	2,984	105,663	390,744	27.09	39.28	27.41	14.974
Macon .....	84,825	7,950	92,775	366,719	25.29	38.95	19.31	12.731
Maconpin .....	75,923	910	76,833	530,827	14.41	36.32	16.45	07.253
Madison .....	57,470	27,118	84,588	447,664	18.89	49.80	20.74	09.044
Marion .....	27,427	5,489	32,916	346,840	8.37	23.91	9.84	05.506

Table XXV--Continued.

COUNTIES.	ACRES MORTGAGED--1887.			Total number of acres in the county .....	Percentage of acres mortgaged--1887 .....	Average value per acre of improved lands--United States Census--1880 .....	Average present incumbrance per acre on lands actually mortgaged--1887 .....	Ratio of the present mortgaged indebtedness on lands, live stock and farm implements to the value of the same in 1880--U. S. Census--per cent. ....
	For loans .....	For deferred payments	Total acres mortgaged					
Marshall .....	28,218	25,080	53,298	246,926	21.54	\$48.77	\$19.01	10.063
Mason .....	65,471	9,826	75,297	347,738	21.65	34.49	11.99	11.178
Massac .....	11,447	2,530	13,977	145,174	9.63	26.78	5.04	04.368
McDonough .....	84,819	2,624	87,443	364,269	24.00	39.17	15.93	10.86
McHenry .....	94,913	18,731	113,644	383,348	29.65	43.70	17.49	13.473
McLean .....	151,156	6,964	158,120	739,133	21.39	38.21	19.34	10.746
Menard .....	39,389	10,597	49,986	198,959	25.12	39.05	19.79	14.32
Mercer .....	51,916	15,349	67,265	347,993	18.48	52.83	16.38	08.127
Monroe .....	47,618	6,933	54,551	237,622	22.94	44.64	11.27	12.501
Montgomery .....	46,513	10,674	57,187	440,625	12.94	29.46	13.83	06.704
Morgan .....	54,854	9,590	64,444	353,352	18.24	53.36	24.19	09.773
Moultrie .....	73,402	6,760	80,162	216,495	37.03	27.18	13.11	18.455
Ogle .....	97,779	6,891	104,670	479,302	21.84	47.75	21.81	10.758
Peoria .....	134,778	17,445	152,223	890,845	38.92	50.21	23.91	25.177
Perry .....	34,130	5,908	40,038	255,819	15.65	31.28	7.09	06.713
Platt .....	99,307	6,064	105,371	375,167	33.29	31.86	14.59	18.5
Pike .....	73,296	4,613	77,909	510,034	15.67	40.40	13.50	06.826
Pope .....	12,526	5,630	18,156	231,894	7.85	15.14	3.50	08.738
Pulaski .....	7,890	2,583	9,473	108,746	9.17	28.60	7.71	06.559
Putnam .....	17,306	9,946	27,252	106,019	25.69	62.02	18.43	11.815
Randolph .....	34,643	5,759	40,402	350,296	11.59	41.10	11.56	05.551
Richland .....	22,234	4,755	26,989	224,101	12.04	25.92	7.63	04.623
Rock Island .....	68,751	6,618	75,369	266,135	28.32	48.04	17.49	12.884
Saline .....	33,928	922	34,850	236,100	14.76	30.37	4.57	07.132
Sangamon .....	117,768	4,910	122,678	550,750	22.27	44.45	27.01	13.913
Schuyler .....	66,388	7,987	74,375	277,654	26.78	36.14	9.58	11.456
Scott .....	28,100	4,066	29,166	159,485	18.3	49.91	16.65	06.868
Shelby .....	107,512	2,432	109,944	480,494	22.89	26.57	11.23	10.977
Stark .....	47,210	3,287	50,497	180,948	27.9	52.64	22.32	11.706
St. Clair .....	43,837	3,707	47,564	413,717	11.49	65.41	25.62	06.262
Stephenson .....	85,884	9,241	95,125	354,600	26.83	49.49	22.24	12.404
Tazewell .....	77,296	16,150	93,446	411,881	22.71	47.18	23.76	14.069
Union .....	31,228	6,607	37,835	227,973	16.6	29.88	6.51	06.434
Vermilion .....	123,556	19,587	143,143	564,183	25.86	31.70	18.29	14.477
Wabash .....	13,803	4,243	18,046	137,515	13.12	32.21	9.73	07.291
Warren .....	65,641	5,868	71,509	394,406	21.19	42.02	17.93	09.322
Washington .....	72,608	16,032	88,640	349,302	25.38	26.92	18.30	10.506
Wayne .....	77,612	13,659	91,271	445,634	20.48	23.47	5.62	10.067
White .....	61,783	12,142	73,925	311,735	23.71	37.88	7.49	10.488
Whiteside .....	146,438	8,023	154,461	417,501	26.99	40.57	16.75	15.582
Will .....	119,067	7,774	126,841	525,929	24.19	42.92	22.90	12.689
Williamson .....	27,939	5,851	33,790	264,874	12.77	19.08	5.25	06.587
Winnebago .....	43,308	11,097	54,405	318,482	17.06	48.24	26.47	09.329
Woodford .....	59,228	6,470	65,698	337,138	19.49	41.20	21.04	10.603

\* Outside of Cook county, \$15.53 per acre.

† Outside of Cook county, 11.847 per cent., and for loans, only 10.53 per cent.



DEPT. OF  
AGRICULTURE

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STATISTICS OF MORTGAGES IN ILLINOIS.

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SPECIAL TABLES FOR COUNTIES

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**ADAMS COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Adams County.

SUMMARIES FROM THE RECORDS.

Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	349	\$442,212	27,214	...	348	\$455,903	29,212	...	376	\$517,448	32,333	...
Lots .....	373	607,100	...	606	228	248,511	...	335	*398	421,078	...	571
Total Real Est.	722	\$1,049,312	27,214	606	576	\$704,414	29,212	335	774	\$938,526	32,333	571
Chattels .....	328	154,759	...	...	284	96,981	...	...	866	180,607	...	...
Totals .....	1,050	\$1,204,071	27,214	606	860	\$801,345	29,212	335	1,140	\$1,069,133	32,333	571

Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Am'ts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	309	\$390,369	40	\$51,843	332	\$528,221	41	\$78,879	309	\$144,812	19	\$9,947
1880....	308	357,680	45	98,228	173	180,152	55	68,359	250	85,232	34	11,699
1887....	340	431,473	86	85,975	287	277,398	111	143,685	325	107,409	41	23,198

Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	161	\$48,477	35	\$24,517	36	\$19,968	23	\$21,948	16	\$3,403	1	\$338	7	\$1,495	52	\$39,553
1880....	125	26,566	18	6,917	15	14,648	21	15,246	47	12,109	4	1,235	7	996	47	19,194
1887....	182	51,150	21	4,590	24	9,508	50	34,903	32	10,020	4	2,480	3	287	50	17,669

Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
16	\$22,300	.....	22	63	\$30,300	20	70	336	\$321,590	107	373

Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
10	\$13,100	340	13	15	\$41,143	753	13	41	\$113,555	2,078	36

\* One mortgage \$30,000—12 years at 6 per cent. interest on one lot.

# MORTGAGE INDEBTEDNESS.

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## ADAMS COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELTS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	349	.0689	2.869	373	.0958	2.126	323	.0683	10.80
1880....	348	.0772	2.824	228	.0745	2.865	284	.0795	10.43
1887....	376	.0689	2.900	398	.0657	2.965	366	.0741	10.85

### Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELTS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	827	\$1,096,794	64,470	793	\$1,352,518	1,288	295	\$153,050	1,915	\$2,602,352
1880.....	1,018	1,394,516	85,416	653	733,505	960	247	90,952	1,918	2,213,973
1887.....	1,090	1,552,286	98,765	1176	1,235,160	1,707	331	126,842	2,507	2,964,297

### Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELTS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	732	\$968,229	96	\$128,555	706	\$1,176,776	87	\$175,742	278	\$143,215	17	\$9,885
1880....	886	1,066,845	132	297,671	495	535,416	158	208,089	218	79,223	29	11,729
1887....	986	1,294,614	104	257,681	848	846,921	328	433,239	294	104,264	37	22,578

### Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED,		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	58,664	5,806	64,470	527,584	12.22	\$46 89	\$17 01
1880.....	76,653	8,763	85,416		16.19		16.09
1887.....	86,158	7,607	93,765		17.77		16.56

### Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$19,814,426
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,601,970
Home value of farm products for one year (1879) †.....	\$3,294,260

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**ALEXANDER COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Alexander County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	15	\$7,680	1,480	....	27	\$10,487	2,840	....	57	\$31,986	6,075	....
Lots .....	57	66,652	.....	108	64	65,450	.....	180	135	150,709	.....	457
Total Real Est. Chattels .....	72	\$74,842	1,480	108	91	\$75,887	2,840	180	192	\$182,705	6,075	457
	25	12,408	.....	133		19,505	.....	145		36,916	.....	....
Totals .....	97	\$86,750	1,480	108	224	\$95,392	2,840	180	387	\$219,621	6,075	457

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Am'ts.	No.	Amounts	No.	Amounts	No.	Amounts
1870 ....	4	\$3,046	11	\$4,644	27	\$36,685	80	\$29,967	23	\$8,612	3	\$3,796
1880 ....	13	4,692	14	5,745	49	26,750	21	88,700	121	17,521	12	1,984
1887 ....	33	15,741	24	16,265	58	58,354	77	91,855	133	34,714	12	2,308

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINE-ERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870 ....	13	\$8,895	5	\$2,161	4	\$902	1	\$400	1	\$75	....	....	1	\$300	1	\$173
1880 ....	50	6,040	22	1,695	19	4,845	14	3,184	7	552	....	....	16	2,911	5	388
1887 ....	52	6,831	30	3,869	22	12,250	16	11,811	3	134	....	....	18	2,253	4	268

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
3	\$1,700	.....	8	21	\$14,875	.....	35	95	\$56,988	.....	158

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
1	\$1,000	250	.....	1	\$3,500	.....	1	5	\$17,500	.....	5

# MORTGAGE INDEBTEDNESS.

5

## ALEXANDER COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	15	.10	1.789	57	.0921	3.834	25	.0977	8.56
1880....	27	.08	1.947	64	.0744	2.885	133	.08	7.28
1887....	57	.0797	2.151	136	.0739	2.618	145	.08	7.47

### Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	27	\$14,445	2,648	218	\$287,310	414	17	\$9,715	262	\$291,470
1880. ....	53	21,134	4,556	153	161,905	429	80	12,776	296	195,815
1887. ....	122	71,565	13,067	353	409,135	1,196	90	24,816	565	505,516

### Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870. ....	7	\$5,691	20	\$8,754	108	\$147,113	115	\$120,197	15	\$6,743	2	\$2,972
1880. ....	26	9,510	27	11,624	108	66,219	50	85,696	73	11,473	7	1,808
1887. ....	70	35,211	52	36,354	151	159,972	202	249,163	83	23,327	7	1,489

### Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	716	1,932	2,648	113,900	2.32	\$33.85	\$5.45
1880. ....	1,976	2,580	4,556		3.99		4.64
1887. ....	8,722	4,845	13,567		11.47		5.47

### Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$1,164,483
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$75,825
Home value of farm products for one year (1879)†.....	\$334,348

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**BOND COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Bond County.

SUMMARIES FROM THE RECORDS.

Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	156	\$230,064	16,720	....	237	\$243,921	20,572	....	170	\$135,825	18,546	....
Lots .....	45	40,531	.....	97	56	81,275	.....	101	72	28,441	.....	120
Total Real Est. ....	201	\$270,595	16,720	97	293	\$325,196	20,572	101	242	\$164,266	18,546	120
Chattels .....	70	24,239	.....	....	72	21,826	.....	....	159	60,496	.....	....
Totals .....	271	\$294,824	16,720	97	365	\$347,022	20,572	101	401	\$224,762	18,546	120

Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870 ....	74	\$145,188	82	\$4,291	20	\$27,843	25	\$12,688	68	\$24,129	2	\$110
1880 ....	148	131,790	89	112,191	32	25,162	24	6,113	61	13,298	11	8,538
1887 ....	150	117,589	20	18,236	33	9,804	39	18,637	142	45,548	17	14,943

Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870 .....	44	\$14,087	2	\$967	4	\$2,300	5	\$2,530	11	\$3,598	....	....	2	\$110	2	\$747
1880 .....	52	17,922	....	....	2	554	3	1,638	13	1,457	....	....	1	60	1	150
1887 .....	126	33,489	1	100	3	8,322	8	15,763	17	1,677	....	....	1	70	3	1,075

Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	18	\$10,975	.....	22	144	\$87,800	.....	176

Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
15	\$44,261	3,414	2	53	\$48,095	4,897	2	227	\$205,399	20,954	9

## BOND COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS		No. of mortgages.	AVERAGES FOR CHATELTS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	156	.0988	2.648	45	.0997	1.623	70	.0984	11.48
1880.....	287	.0787	2.434	56	.0785	1.532	72	.0795	9.51
1887.....	170	.0741	3.377	72	.0799	3.051	159	.0788	9.87

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELTS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	413	\$339,376	44,275	73	\$39,061	157	66	\$35,359	552	\$738,696
1880.....	374	613,940	49,867	86	49,794	155	57	19,322	717	683,056
1887.....	574	475,675	45,745	220	90,240	346	130	53,676	924	619,591

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELTS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	198	\$406,381	217	\$235,896	32	\$47,276	41	\$21,785	64	\$25,244	2	\$115
1880.....	358	331,528	216	282,412	49	40,084	37	9,710	48	11,787	9	7,555
1887.....	506	411,985	68	68,740	101	34,291	119	55,949	116	40,418	14	13,258

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	28,686	15,569	44,275	240,058	18.44	\$27 11	\$14 67
1880.....	29,721	20,146	49,867		20.77		12 33
1887.....	33,270	12,475	45,745		19.05		10 40

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$6,174,133
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$505,398
Home value of farm products for one year (1879)†.....	\$1,251,516

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**BOONE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Boone County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	198	\$244,616	14,575	....	123	\$180,358	10,111	....	143	\$211,467	10,876	....
Lots.....	60	84,240	.....	123	56	27,140	.....	117	100	88,098	.....	159
Total Real Est	258	\$278,856	14,575	123	179	\$207,498	10,111	117	243	\$299,565	10,876	159
Chattels.....	110	39,724	.....	121	121	33,207	.....	....	149	45,246	.....	....
Totals.....	368	\$318,580	14,575	123	300	\$240,705	10,111	117	392	\$344,806	10,876	159

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	163	\$189,670	30	\$54,946	52	\$29,890	8	\$4,350	108	\$35,758	7	\$3,966
1880....	116	171,696	7	8,722	45	22,665	11	4,475	113	30,898	8	2,809
1887....	135	197,190	8	14,277	87	80,468	13	7,625	132	40,558	17	4,698

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	77	\$28,292	5	\$3,115	5	\$2,337	5	\$2,891	5	\$1,580	4	\$964	1	\$95	8	\$5,650
1880.....	80	20,801	1	350	5	1,271	8	1,769	8	1,819	4	932	2	465	13	6,100
1887.....	99	29,932	3	1,046	3	1,905	11	8,536	6	1,711	5	2,760	3	370	19	3,896

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
18	\$25,124	1,178	24	12	\$20,757	785	12	54	\$93,178	3,524	54

\* No mortgages of this class recorded.

## BOONE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	198	.0980	4.289	60	.0987	2.268	110	.0965	15.62
1880....	123	.0745	4.237	56	.0777	2.764	121	.0776	13.74
1887....	143	.0677	4.449	100	.0722	3.637	149	.0737	15.53

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	824	\$1,062,828	62,221	186	\$81,486	279	142	\$56,591	1,102	\$1,220,903
1880. ....	521	732,643	42,840	155	77,819	323	137	40,969	813	911,831
1887. ....	636	972,664	48,387	364	331,900	578	193	63,082	1,193	1,867,706

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	696	\$847,314	128	\$345,509	118	\$71,099	18	\$10,399	133	\$51,088	9	\$5,533
1880....	491	754,566	89	38,047	125	65,082	30	12,857	128	38,101	9	2,868
1887....	600	906,522	36	66,141	317	308,422	47	26,538	171	56,521	22	6,561

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	53,149	9,072	62,221	178,104	34.36	\$41 30	\$17 56
1880. ....	41,839	1,451	42,840		24.06		18 50
1887. ....	46,969	1,428	48,387		27.17		20 10

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$7,399,879
Total of existing mortgage indebtedness on lands, live stock and implements. ....	\$1,014,384
Home value of farm products for one year (1879)†.....	\$1,076,094

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**BROWN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Brown County.

SUMMARIES FROM THE RECORDS.

**Recapitulation of Totals—By Years and Classes.**

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	79	\$38,067	8,102	...	149	\$124,980	13,451	...	192	\$166,365	15,537	...
Lots.....	22	14,643	.....	22	18	15,769	.....	42	24	17,256	.....	41
Total Real Est. Chattels.....	101	\$97,710	8,102	22	167	\$140,739	13,451	42	216	\$183,621	15,537	41
	68	19,588	.....	67	11,298	.....	111	24,656	.....			
Totals.....	169	\$117,298	8,102	22	234	\$152,037	13,451	42	327	\$208,277	15,537	41

**Mortgages for Loans and for Deferred Payments of Purchase Money.**

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	62	\$64,669	19	\$18,398	17	\$10,650	5	\$3,998	65	\$17,708	8	\$1,685
1880....	120	94,425	29	30,555	16	14,929	2	415	57	7,963	10	3,335
1887....	146	116,999	46	49,466	12	11,606	12	5,650	97	15,935	14	8,721

**Classification of Chattel Mortgages.**

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	59	\$12,118	.....	.....	4	\$5,010	3	\$1,885	2	\$575	.....	.....	.....	.....	.....	.....
1880.....	52	6,548	.....	.....	2	657	10	3,333	3	758	.....	.....	.....	.....	.....	.....
1887.....	84	13,470	1	\$22	6	1,555	13	8,621	6	838	1	\$150	.....	.....	.....	.....

**Totals of Mortgages given to Building and Loan Associations.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	4	\$1,360	80	5	12	\$4,060	240	15

**Totals of Mortgages executed to Non-Residents of the State.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
22	\$53,523	2,743	8	18	\$23,471	2,004	.....	74	\$97,264	8,305	.....

## BROWN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	79	.0995	1.584	22	.0982	2.011	68	.0998	12.38
1880....	149	.0796	3.000	18	.08	3.177	67	.08	11.72
1887....	192	.0749	3.229	24	.0731	2.108	111	.08	18.50

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	126	\$188,868	12,915	44	\$30,888	86	69	\$22,181	239	\$191,887
1880.....	447	352,862	40,353	57	52,069	133	64	11,823	568	453,855
1887.....	620	557,251	50,109	51	37,616	86	124	29,962	795	624,539

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	96	\$108,076	30	\$30,787	34	\$22,473	10	\$3,420	66	\$30,139	3	\$1,992
1880....	360	294,736	67	95,127	51	50,715	6	1,354	54	8,406	10	3,517
1887....	469	401,748	151	155,503	23	25,316	25	12,300	108	19,356	16	10,606

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	3,724	3,191	12,915	189,919	6.80	\$22 91	\$10 75
1880.....	32,709	7,644	40,353		21.22		9 66
1887.....	37,478	12,693	50,189		26.38		11 11

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$4,530,606
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$573,625
Home value of farm products for one year (1879)†.....	\$322,437

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**BUREAU COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Bureau County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	423	\$798,231	42,707	....	444	\$821,775	44,455	....	437	\$894,747	46,708	....
Lots .....	132	78,256	.....	187	111	47,715	.....	206	237	123,090	.....	351
Total Real Est	555	\$876,487	42,707	187	555	\$869,490	44,455	206	674	\$1,017,837	46,708	351
Chattels .....	206	63,162	.....	.....	310	109,743	.....	.....	372	157,604	.....	.....
Totals .....	760	\$939,649	42,707	187	865	\$979,233	44,455	206	1,046	\$1,175,441	46,708	351

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	823	\$533,225	100	\$265,006	106	\$64,643	26	\$13,613	199	\$59,536	6	\$3,636
1880....	419	741,523	257	80,250	104	44,815	7	2,900	308	102,743	7	7,000
1887....	409	633,007	28	61,740	145	76,832	92	46,208	366	153,880	6	3,724

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	171	\$46,560	6	\$3,097	6	\$7,297	2	\$798	5	\$2,394	7	\$667	2	\$200	6	\$2,209
1880.....	248	78,992	3	405	11	8,704	4	948	23	8,243	15	9,593	5	358	1	2,500
1887.....	318	132,745	5	1,410	19	6,662	9	5,388	7	8,093	8	7,015	4	913	2	173

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	7	\$7,500	.....	7	18	\$18,750	.....	18

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
12	\$38,600	1,833	.....	26	\$53,925	2,193	15	123	\$265,904	10,814	74

## BUREAU COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortg.gages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	423	.0946	4.418	132	.0977	2.148	205	.10	12.50
1880.....	444	.0781	4.515	111	.0797	3.466	310	.0801	11.63
1887.....	437	.0715	4.383	237	.0781	3.651	872	.0799	14.94

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	1,869	\$3,693,391	188,680	283	\$176,305	402	212	\$72,378	2,364	\$3,942,074
1880.....	2,005	3,955,202	300,714	385	171,970	1,074	300	114,875	2,690	4,142,047
1887.....	1,915	3,153,218	204,674	865	465,838	1,282	468	211,900	3,243	3,830,946

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	1,427	\$2,467,069	442	\$1,226,302	227	\$145,623	56	\$30,677	206	\$68,225	6	\$4,153
1880....	1,692	3,477,392	113	377,810	361	161,480	34	10,490	298	107,523	7	7,352
1887....	1,792	2,872,581	123	280,687	529	291,142	336	174,686	456	206,814	7	5,066

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	140,307	43,373	188,680	548,866	34.37	\$50.84	\$19.57
1880.....	186,835	13,879	200,714		36.56		19.21
1887.....	191,585	13,089	204,674		37.26		15.41

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$28,176,145
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$3,831,963
Home value of farm products for one year (1879) † .....	\$3,978,662

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**CALHOUN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Calhoun county.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands. ....	82	\$18,356	3,917	8	85	\$71,510	11,610	...	86	\$68,469	10,385	...
Lots. ....	1	1,250	...	...	13	4,725	...	29	5	1,178	...	11
Total Real Est.	23	\$19,606	3,917	3	98	\$76,235	11,610	29	91	\$64,647	10,385	11
Chattels. ....	44	11,919	...	...	72	16,503	...	...	88	15,710	...	...
Totals. ....	77	\$31,525	3,917	3	170	\$92,738	11,610	29	179	\$80,357	10,385	11

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	28	\$14,506	4	\$3,850	...	...	1	\$1,250	44	\$11,919	...	...
1880....	67	51,587	18	19,923	12	\$4,025	1	700	70	13,578	2	\$2,925
1887....	62	42,800	24	20,669	3	776	2	402	85	12,584	3	8,126

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870. ....	35	\$9,351	...	...	...	...	...	...	9	\$2,568	...	...	...	...	...	...
1880. ....	38	10,125	...	...	...	...	...	...	33	6,364	1	\$14	...	...	...	...
1887. ....	59	11,717	...	...	1	\$400	...	...	27	8,568	...	...	...	...	1	\$35

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
7	\$7,247	1,459	.....	6	\$9,825	1,231	.....	29	\$46,728	5,855	.....

\* No mortgages of this class recorded.

## CALHOUN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	32	.0961	1.705	1	.06	1.523	44	.0913	9.50
1880....	85	.0818	2.969	13	.08	1.484	72	.0779	10.18
1887....	86	.0717	3.118	5	.0738	1.690	88	.0780	12.68

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	55	\$32,785	6,678	1	\$1,961	4	35	\$10,295	91	\$45,041
1880. ....	232	230,997	34,470	19	7,392	43	61	15,088	332	243,877
1887. ....	268	204,991	32,380	8	2,057	18	92	17,828	368	224,871

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	48	\$25,934	7	\$6,851	1	\$1,961	35	\$10,295	85	\$25,934	2	\$6,851
1880....	199	159,389	53	61,658	18	\$6,213	1	1,079	59	12,417	2	\$2,671
1887....	198	138,164	75	66,827	5	1,358	8	699	89	14,276	3	8,547

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	5,391	1,287	6,678	168,599	4.08	\$40 05	\$4 91
1880. ....	26,646	8,834	34,470		20.80		6 41
1887. ....	20,894	11,486	32,380		19.54		6 36

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$2,509,926
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$218,280
Home value of farm products for one year (1879)† .....	\$544,979

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**CARROLL COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Carroll County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	150	\$197,522	18,168	....	113	\$168,894	10,744	....	216	\$342,281	19,308	....
Lots .....	85	86,847	.....	60	26	10,980	.....	41	153	76,073	.....	237
Total Real Est	185	\$284,369	18,168	60	139	\$179,874	10,744	41	369	\$418,354	19,308	237
Chattels.....	276	97,988	.....	155	58,398	.....	244	58,906	.....	.....	.....	.....
Totals.....	461	\$382,307	18,168	60	294	\$238,222	10,744	41	613	\$477,160	19,308	237

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	137	\$174,179	13	\$23,843	38	\$32,587	2	\$4,280	276	\$97,938	....	.....
1880.....	112	163,894	1	5,000	26	10,980	.....	.....	150	53,070	5	\$323
1887.....	211	309,874	5	32,607	144	70,773	9	5,900	241	58,311	3	495

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.*		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNISHED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	228	\$78,744	6	\$2,870	3	\$3,250	4	\$1,539	19	\$5,628	.....	.....	.....	.....	16	\$5,907
1880.....	115	40,923	5	811	1	952	1	35	15	6,074	1	\$400	5	\$338	12	3,876
1887.....	198	41,985	5	2,826	4	1,102	2	525	10	3,498	.....	.....	3	495	27	8,890

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	8	\$3,300	.....	9	16	\$6,000	.....	14

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
6	\$8,890	498	.....	6	\$12,300	500	1	26	\$52,115	2,119	4

\* No chattel mortgages given in this county on farm implements.

## CARROLL COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	150	.0914	8.436	35	.0991	2.309	276	.0930	14.81
1880....	113	.0753	8.688	26	.08	8.018	155	.0778	14.58
1887....	216	.0689	8.5	153	.0755	2.134	244	.0771	12.68

## Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	515	\$709,700	45,228	77	\$85,428	132	33	\$128,244	625	\$923,872
1880.....	411	637,570	39,087	78	84,306	124	187	69,689	676	741,556
1887.....	756	1,239,255	67,578	327	168,631	506	257	66,936	1,840	1,474,823

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	470	\$625,956	45	\$68,744	78	\$75,605	4	\$9,823	38	\$128,244	7	.....
1880....	407	618,443	4	19,127	78	84,306	.....	.....	180	69,271	.....	\$418
1887....	738	1,121,525	18	117,730	308	156,894	19	11,737	254	66,401	3	535

## Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	39,655	5,578	45,233	286,552	15.78	\$42.64	\$15.69
1880.....	38,363	724	39,087		12.64		16.31
1887.....	65,131	2,447	67,578		23.56		18.34

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$11,490,105
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$1,286,983
Home value of farm products for one year (1879) †.....	\$1,818,792

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**CASS COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Cass County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	65	\$114,075	8,360	.....	110	\$186,232	16,316	.....	128	\$263,149	15,257	.....
Lots.....	87	25,463	.....	49	83	38,488	.....	169	167	100,105	.....	304
Total Real Est.	102	\$139,538	8,360	49	195	\$224,720	16,316	169	295	\$363,254	15,257	304
Chattels.....	95	57,794	.....	.....	142	47,810	.....	.....	209	90,435	.....	.....
Totals.....	197	\$197,332	8,360	49	337	\$272,530	16,316	169	504	\$453,689	15,257	304

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	62	\$105,809	3	\$8,266	87	\$25,463	.....	.....	95	\$57,794	.....	.....
1880....	104	175,032	6	11,200	57	26,938	28	\$11,550	186	47,998	6	\$812
1887....	120	244,636	8	18,513	41	25,579	126	74,536	204	89,735	5	700

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	56	\$13,870	8	\$18,401	5	\$11,585	7	\$4,525	7	\$3,764	5	\$2,739	.....	.....	7	\$2,910
1880....	81	22,285	6	5,875	3	2,200	9	3,215	81	11,558	3	1,550	6	\$812	3	315
1887....	161	65,551	12	\$12,412	6	1,575	5	2,530	17	7,076	2	391	5	700	1	200

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
29	\$11,900	27	38	120	\$71,047	.....	199	930	\$550,614	.....	1,542

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
10	\$21,700	2,704	.....	7	\$20,836	1,127	3	36	\$154,342	5,890	16

\* One mortgage, \$7,400, 2 months, 7 per cent. on hotel property.

## CASS COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLE.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	65	.0972	2.602	37	.10	1.468	95	.0953	11.05
1880....	110	.0783	3.449	85	.0856	2.909	142	.0783	11.07
1887....	128	.0692	4.369	167	.0700	5.525	209	.0772	10.83

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLE.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870....	169	\$311,248	21,853	54	\$39,349	72	87	\$58,289	310	\$408,786
1880....	379	667,461	56,274	247	116,754	492	131	47,169	757	831,384
1887....	559	1,189,478	66,658	923	572,687	1690	188	87,915	1,670	1,850,080

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLE.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	161	\$288,683	8	\$22,565	54	\$39,349	.....	.....	87	\$58,289	.....	.....
1880....	369	627,413	10	40,048	166	81,728	81	\$35,026	125	46,360	6	\$409
1887....	524	1,106,214	35	83,254	840	146,009	83	426,078	183	87,274	5	641

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870....	21,002	851	21,853	298,405	9.16	\$45.34	\$14.34
1880....	51,473	4,801	56,274		23.60		11.86
1887....	68,106	3,552	66,658		27.96		17.84

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$7,815,054
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,254,680
Hoem value of farm products for one year (1879).....	\$1,355,353

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**CHAMPAIGN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Champaign County.

SUMMARIES FROM THE RECORDS.

**Recapitulation of Totals—By Years and Classes.**

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	731	\$1,092,834	88,571	....	536	\$589,044	49,245	....	540	\$704,247	45,322	....
Loans .....	239	190,559	....	378	236	129,445	....	380	320	147,487	....	553
Total Real Est.	970	\$1,283,393	88,571	378	762	\$718,489	49,245	380	860	\$851,734	45,322	553
Chattels .....	342	141,884	....	....	911	278,806	....	....	906	312,964	....	....
Totals .....	1,312	\$1,425,277	88,571	378	1,673	\$997,297	49,245	380	1,766	\$1,064,698	45,322	553

**Mortgages for Loans and for Deferred Payments of Purchase Money.**

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870 ....	554	\$849,368	177	\$248,466	121	\$124,258	118	\$66,801	290	\$119,956	53	\$21,928
1880 ....	408	478,340	138	110,704	145	105,630	81	23,825	706	236,604	205	52,304
1887 ....	434	604,435	106	99,812	81	61,089	239	86,448	667	136,712	239	76,242

**Classification of Chattel Mortgages.**

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSE-HOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870 .....	194	\$54,827	9	\$2,162	24	\$28,531	2	\$2,287	63	\$0,255	32	\$6,532	3	\$294	15	\$6,996
1880 .....	687	147,040	18	1,608	22	56,190	14	11,907	82	34,499	59	22,757	21	2,832	8	2,475
1887 .....	790	174,664	13	2,940	15	6,743	16	7,811	33	10,075	21	8,086	15	1,748	3	888

**Totals of Mortgages given to Building and Loan Associations.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	106	\$40,228	45	158	201	\$76,433	86	300

**Totals of Mortgages executed to Non-Residents of the State.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
227	\$327,892	21,897	60	214	\$318,406	18,886	81	935	\$1,465,960	86,961	378

## CHAMPAIGN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	731	.0975	3.890	289	.0975	2.417	342	.0982	12.18
1880....	536	.0731	4.008	226	.0742	3.112	911	.0792	11.11
1887....	540	.0651	4.349	320	.0698	3.363	906	.0781	11.40

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	2,844	\$4,458,350	844,541	578	\$483,084	914	348	\$158,158	3,770	\$5,099,542
1880.....	2,146	2,444,126	197,128	708	417,778	1,183	843	278,574	3,632	3,140,478
1887.....	2,348	3,162,468	197,106	1076	513,309	1,860	861	218,104	4,285	3,893,876

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	2,155	\$3,478,283	689	\$965,067	286	\$314,939	292	\$198,095	295	\$183,724	53	\$24,484
1880....	1,684	1,984,680	512	459,496	451	810,907	252	76,871	653	226,481	190	52,082
1887....	1,887	2,713,393	461	449,070	272	212,510	804	300,799	644	189,723	217	78,881

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	290,614	63,927	344,541	626,275 {	55.01	\$32.24	\$12.94
1880.....	156,413	40,715	197,128		31.47		12.40
1887.....	168,162	28,943	197,105		31.47		16.04

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$21,199,395
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$3,841,249
Home value of farm products for one year (1879)†.....	\$4,270,422

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**CHRISTIAN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Christian County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	163	\$249,630	14,980	...	340	\$459,831	31,394	...	314	\$396,153	28,363	...
Lots.....	39	29,365	...	83	88	42,454	...	175	198	100,036	...	360
Total Real Est.	202	\$318,995	14,980	83	428	\$502,282	31,894	175	512	\$496,189	28,363	360
Chattels.....	291	181,926	...	333	...	110,306	...	...	458	141,972	...	...
Totals.....	493	\$450,919	14,980	83	761	\$612,498	31,394	175	970	\$638,161	28,363	360

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	145	\$235,494	18	\$36,136	32	\$22,170	7	\$7,198	270	\$127,553	21	\$4,373
1880....	314	414,846	26	45,032	89	39,954	9	2,500	305	99,608	23	10,598
1887....	307	389,128	7	8,025	100	40,336	99	59,700	415	124,806	48	17,667

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	244	\$114,449	3	\$868	10	\$3,576	3	\$2,500	25	\$7,152	3	\$2,333	1	\$196	2	\$850
1880.....	237	71,132	5	3,700	9	3,441	15	9,640	44	15,766	15	5,518	6	762	2	944
1887.....	363	89,347	5	538	9	5,313	39	29,110	31	12,634	3	1,741	3	170	5	3,069

## Totals of Mortgages given to Building and Loan Associations.

1870.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	98	\$59,650	48	155	235	\$143,160	115	372

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
41	\$59,065	3,976	13	39	\$73,235	4,326	.....	159	\$238,799	17,650	.....

## CHRISTIAN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	168	.0981	2.465	89	.0992	1.641	291	.0996	12.04
1880....	340	.0775	3.542	88	.0789	1.680	333	.0799	12.53
1887....	314	.0762	3.833	198	.0666	4.556	458	.0793	12.74

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	402	\$748,956	36,926	64	\$50,575	136	313	\$156,431	779	\$955,962
1880.....	1,204	1,691,860	111,198	148	74,137	284	348	124,271	1,700	1,890,268
1887.....	1,204	1,576,307	108,715	901	470,941	1,640	487	162,690	2,592	2,209,928

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	368	\$655,837	44	\$93,619	53	\$38,194	11	\$12,891	290	\$151,214	23	\$5,217
1880.....	1,112	1,526,068	92	165,502	138	69,763	15	4,874	297	112,341	51	11,980
1887.....	1,178	1,544,781	26	31,526	450	190,280	461	290,681	441	142,508	46	20,173

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	32,289	4,637	36,926	448,199	8.24	\$32 15	\$22 83
1880.....	103,583	7,615	111,198		24.82		15 22
1887.....	107,097	1,618	108,715		24.26		14 50

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$14,888,131
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,678,692
Home value of farm products for one year (1879)†.....	\$3,923,228

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**CLARK COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Clark County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	129	\$85,909	8,827	...	248	\$124,132	16,148	...	394	\$186,945	24,725	...
Lots .....	32	22,822	...	89	70	27,323	...	142	100	42,888	...	188
Total Real Est	161	\$118,821	8,827	89	318	\$151,455	16,148	142	494	\$179,833	24,725	188
Chattels .....	41	18,073	...	...	179	86,541	...	...	146	53,644	...	...
Totals .....	202	\$131,894	8,827	89	497	\$217,996	16,148	142	580	\$233,477	24,725	188

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	83	\$34,816	46	\$61,183	17	\$6,785	15	\$16,087	38	\$5,869	3	\$7,204
1880....	181	72,976	67	51,156	48	21,128	22	6,195	138	45,390	41	21,151
1887....	572	95,975	62	40,970	46	24,169	54	18,719	182	45,570	14	8,068

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	33	\$4,002	...	...	2	\$367	3	\$7,204	2	\$300	...	...	...	...	1	\$1,200
1880....	131	40,887	1	\$45	...	...	6	6,060	30	7,694	2	\$786	4	\$405	5	110,664
1887....	129	26,032	1	400	4	\$2,125	5	4,530	2	188	...	...	...	...	5	\$20,369

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	82	\$11,850	101	44	64	\$23,700	202	88

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
6	\$3,850	820	...	84	\$51,521	9,674	2	371	\$227,414	42,701	9

\* One mortgage, \$17,000, 6 months, 8 per cent., on miscellaneous lot of saw logs and personal property of saw-mill plant, part of which is in Indiana.

† One mortgage, \$1,360, deferred payment on saloon and fixtures.

‡ One mortgage, \$10,000, on railroad box-cars.

## CLARK COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	129	.0908	1.768	32	.0998	1.740	41	.0763	12 14
1880....	248	.0781	2.555	70	.0797	2.718	179	.0799	12.47
1887....	334	.0729	3.440	100	.0788	4.423	146	.08	10.16

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	227	\$176,939	15,562	56	\$41,691	157 41	\$14,229	324	\$232,850	
1880. ....	634	329,542	41,258	190	77,223	386 186	74,661	1,010	481,486	
1887. ....	1,149	488,262	85,054	442	197,168	832 123	49,048	1,714	734,478	

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	146	\$112,371	81	\$64,559	80	\$12,893	28	\$29,308	88	\$6,398	3	\$7,831
1880....	463	193,771	171	135,771	130	60,002	60	17,221	143	50,936	43	23,745
1887....	936	342,271	213	145,991	203	114,549	239	82,819	111	41,691	12	7,357

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	8,547	7,015	15,562	315,759	4.92	\$29 26	\$11 37
1880. ....	28,787	12,471	41,258		13.06		7 99
1887. ....	69,443	15,611	85,054		26.98		5 74

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$6,870,462
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$512,062
Home value of farm products for one year (1879)†.....	\$1,324,558

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**CLAY COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Clay County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	135	\$114,845	12,701	.....	136	\$68,769	11,176	.....	192	\$98,748	15,008	.....
Lots .....	45	25,042	.....	85	29	16,262	.....	56	55	16,873	.....	98
Total Real Est	180	\$139,887	12,701	85	1-5	\$85,031	11,176	56	247	\$115,621	15,008	98
Chattels .....	46	14,818	.....	.....	92	28,305	.....	.....	114	41,102	.....	.....
Totals .....	226	\$154,705	12,701	85	257	\$113,336	11,176	56	361	\$156,723	15,008	98

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	61	\$62,251	74	\$52,594	20	\$10,843	25	\$14,199	46	\$14,818	.....	.....
1880....	102	49,009	34	19,760	22	11,892	7	4,370	80	17,918	12	\$10,387
1887. .	151	71,788	41	26,960	21	6,579	34	10,294	101	31,408	13	9,694

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Amt's.	No.	Amt.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.
1870.....	37	\$11,947	1	\$900	2	\$281	4	\$1,564	2	\$126	.....	.....	.....	.....	.....	.....
1880.....	65	\$18,137	.....	.....	4	5,950	9	2,383	14	1,833	.....	.....	.....	.....	.....	.....
1887.....	95	\$34,200	2	1,095	2	510	11	4,307	2	830	.....	.....	2	\$160	.....	.....

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	23	\$10,550	374	38	69	\$31,650	1,122	99

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
4	\$5,600	876	.....	2	\$3,300	280	.....	10	\$16,500	1,400	.....

\* 12 mortgages, aggregating \$10,387, on threshing machines and engines.

† 10 mortgages, aggregating \$9,064, on threshing machines and engines.

‡ No deferred payment mortgages recorded.

## CLAY COUNTY - CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	135	.0649	1.970	45	.0982	1.403	46	.0943	8.91
1880.....	186	.0706	2.468	20	.0791	1.623	92	.08	11.86
1887.....	192	.0782	3.238	55	.0797	2.556	114	.0786	11.54

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	266	\$236,979	25,021	67	\$39,224	127	84	\$12,041	367	\$288,244
1880.....	386	178,477	27,582	47	27,488	91	01	30,216	474	234,181
1887.....	612	332,348	48,596	141	44,850	250	110	42,683	853	419,731

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	120	\$127,979	146	\$109,000	30	\$16,985	37	\$32,299	34	\$12,041	.....	.....
1880....	262	125,828	84	56,649	36	20,061	11	7,894	79	19,127	12	\$11,089
1887....	479	241,545	133	90,703	54	17,491	87	27,359	95	32,572	15	10,061

## Percent of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	14,856	10,185	25,021	284,341	8.79	\$17 96	\$9 47
1880.....	19,482	8,100	27,582		9.70		6 40
1887.....	37,443	11,152	48,596		17.06		6 84

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$4,257,917
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$367,701
Home value of farm products for one year (1879) † .....	\$681,063

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**CLINTON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Clinton county.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	200	\$288,735	17,047	....	*207	\$267,069	18,439	....	180	\$238,647	19,434	....
Lots .....	60	64,965	.....	162	49	19,287	.....	76	26	18,487	.....	84
Total Real Est.	260	\$353,730	17,047	162	256	\$286,376	18,439	76	206	\$257,134	19,434	84
Chattels .....	157	74,907	.....	107	107	36,870	.....	174	174	52,414	.....	....
Totals .....	417	\$428,627	17,047	162	363	\$323,246	18,439	76	380	\$309,548	19,434	84

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870 ....	182	\$256,201	18	\$32,584	54	\$51,709	6	\$13,276	132	\$55,687	25	\$19,230
1880 ....	192	237,859	15	29,330	37	14,969	12	4,322	98	21,350	14	15,530
1887 ....	164	307,765	16	30,882	20	13,865	6	4,622	150	37,513	24	14,901

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870. ....	73	\$21,733	....	.....	7	10,120	3	\$617	27	\$4,708	2	\$988	....	.....	45	\$36,741
1880. ....	70	27,331	....	.....	3	3,050	2	1,919	32	4,570	....	.....	....	.....	....	.....
1887. ....	140	42,309	1	\$800	1	1,000	....	.....	30	6,855	2	1,150	....	.....	....	.....

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
9	\$27,620	1,517	.....	1	\$2,000	180	.....	1	\$2,000	180	.....

\* One mortgage, \$16,000, 5 years, 6 per cent., on 2 acres of land and the coal under 240 acres.

† No mortgages of this class recorded. ‡ \$15,000 in two mortgages.

## CLINTON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	200	.0973	2.675	60	.0856	2.389	157	.0984	13.97
1880....	207	.0770	2.904	49	.0725	2.043	107	.0714	13.24
1887...a	180	.0734	3.206	26	.0724	3.014	174	.0729	16.15

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	535	\$309,942	45,801	143	\$161,894	387 282	386	\$95,782	860	\$1,067,618
1880. ....	601	805,498	53,547	100	40,831	155 118	43	592	819	889,911
1887. ....	577	793,181	62,273	78	57,737	253 234	75	686	889	926,604

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	487	\$718,419	48	\$91,523	129	\$128,868	14	\$28,096	153	\$71,858	29	\$23,924
1880....	557	717,690	44	87,798	75	31,685	25	9,146	103	26,240	15	18,352
1887....	526	690,861	51	102,330	80	46,148	18	11,589	199	54,494	35	21,192

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improv'd lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	42,896	2,905	45,801	308,136	14.86	\$21 32	\$17 66
1880. ....	48,608	4,889	53,547		17.87		15 04
1887. ....	53,059	9,216	62,273		20.21		12 74

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$7,956,200
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$855,005
Home value of farm products for one year (1879)† .....	\$2,075,970

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**COLES COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Coles County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	240	\$329,806	20,228	.....	242	\$229,977	13,822	.....	306	\$282,874	17,919	.....
Lots .....	63	52,009	.....	124	131	76,949	.....	231	233	114,944	.....	447
Total Real Est	303	\$381,815	20,228	124	373	\$306,926	13,822	231	539	\$397,858	17,919	447
Chattels.....	156	46,426	.....	.....	198	72,926	.....	.....	270	99,121	.....	.....
Totals.....	459	\$428,241	20,228	124	571	\$379,852	13,822	231	809	\$496,979	17,919	447

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	84	\$97,084	156	\$232,722	23	\$15,270	40	\$36,739	153	\$45,365	3	\$1,061
1880....	177	158,682	65	71,296	84	47,736	47	29,213	185	63,016	13	9,910
1887....	217	217,846	89	65,028	68	44,971	165	70,013	264	95,319	6	3,802

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	115	\$35,899	4	\$2,393	5	\$3,009	9	\$2,494	10	\$4,116	7	\$1,489	2	\$701	4	\$6,265
1880.....	136	55,280	3	2,100	3	1,475	10	2,432	31	6,042	6	3,778	6	819	3	1,500
1887.....	203	71,098	5	808	3	3,098	12	6,830	17	4,999	16	7,550	3	185	11	4,553

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	117	\$50,760	162	138	410	\$177,660	567	483

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
83	\$98,427	4,127	73	104	\$148,942	8,516	43	441	\$631,365	36,099	182

## COLES COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	240	.0902	1.816	63	.0990	1.803	156	.0968	9.78
1880....	242	.0798	2.714	181	.0787	2.531	198	.0798	8.36
1887....	306	.0723	3.348	238	.0774	3.543	270	.0781	9.85

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	436	\$825,940	86,734	113	\$98,414	223	127	\$41,464	676	\$765,818
1880.....	657	648,126	87,513	332	202,422	585	138	54,858	1,127	906,406
1887.....	1,023	979,833	59,903	825	423,154	1,584	222	87,715	2,070	1,490,702

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	153	\$441,933	283	\$184,007	41	\$28,934	72	\$69,480	124	\$40,511	8	\$953
1880....	608	447,207	49	200,719	213	125,502	119	86,920	129	47,397	9	7,461
1887....	725	754,471	298	225,362	440	165,030	385	258,124	217	84,842	5	8,333

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	16,647	20,087	86,734	321,838	11.10	\$32 10	\$17 04
1880.....	24,578	12,935	87,513		11.66		17 28
1887.....	48,527	11,376	59,903		18.61		16 36

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$10,907,923
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,042,752
Home value of farm products for one year (1879) †.....	\$2,128,529

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**COOK COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Cook County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1875.				1880.				1887.			
	No. Mt'gs	Amounts.	Acres	Lots.	No. Mt'gs	Amounts	Acres	Lots.	No. Mt'gs	Amounts.	Acres	Lots.
Lands ..	702	\$6,535,578	40,835	.....	890	\$1,824,004	21,904	.....	646	\$5,060,650	31,447	.....
Lots.....	11,157	31,899,648	.....	44,693	6,891	14,857,733	.....	12,237	30,018	49,329,342	.....	32,433
T. R. E.	11,859	\$38,435,226	40,835	44,693	7,281	\$16,181,737	21,904	12,237	20,659	\$54,379,992	31,447	32,433
Chattels.	9,843	5,346,771	.....	.....	13,923	8,328,231	.....	.....	30,730	7,873,923	.....	.....
Totals.	21,702	\$43,781,997	40,835	64,693	21,904	\$19,509,968	21,904	12,237	51,449	\$62,253,920	31,447	32,433

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1875....	593	\$5,237,205	106	\$1,248,233	6,570	\$24,911,184	4,587	\$6,988,514	7,106	\$5,008,029	2,735	\$338,742
1880....	823	1,045,367	87	278,637	5,406	12,812,408	1,485	2,405,325	7,556	2,443,958	6,367	884,273
1887....	543	4,040,520	103	1,010,130	14079	35,748,700	5,934	13,580,642	18721	6,305,187	13068	1,478,791

## Classification of Chattel Mortgages.

YEARS	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Amounts	No.	Amounts	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am'ts.
1875...	1056	\$531,260	14,549	\$1,257,661	2392	\$1,375,734	613	\$1,325,503	8	\$2,442	824	\$87,195	901	\$766,976
1880...	1019	305,982	19,691	1,475,337	911	453,137	481	483,698	29	11,618	1339	252,864	453	235,595
1887...	2433	781,233	22889	3,443,411	2187	1,785,896	759	1,243,069	4	1,230	2104	267,856	464	351,603

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
68	\$77,705	.....	72	2,067	\$4,060,213	4	2,713	6,724	\$13,175,343	13	8,325

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
124	\$1,619,323	841	517	192	\$3,980,344	630	385	882	\$18,289,661	2,995	1,769

\* Two mortgages, \$2,250,000, 10 years, 9 per cent., on 8,507 acres of land near the mouth of Calumet River.

† Twelve mortgages, \$3,278, on wearing apparel. ‡ Thirty-five, for \$4,370, on wearing apparel.

§ One hundred and twenty-four, for \$15,105, on wearing apparel.

## COOK COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1875....	702	.0885	.5068	11,157	.0689	4.668	2,843	.10	14.83
1880....	390	.0688	.3567	6,891	.0699	8.723	13,923	.0799	14.86
1887....	646	.0636	.3696	20,013	.0693	8.882	30,790	.0789	15.91

Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1875.....	3,554	\$25,041,935	172,346	52,025	\$156,103,650	908,408	11,755	\$7,023,425	67,834	\$188,169,010
1880.....	1,361	4,595,184	78,132	35,655	87,248,611	40,568	17,329	4,447,775	44,275	66,581,870
1887.....	2,388	19,251,435	116,228	77,690	197,557,370	130,099	40,822	11,263,200	120,900	228,072,065

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts
1875...	3002	\$17,749,724	533	\$7,292,211	30,636	\$122,100,815	21,389	\$34,002,535	8,439	\$6,574,019	8,266	\$449,406
1880...	1152	8,859,296	239	1,025,888	20,128	59,348,308	5,529	7,900,808	9,350	3,264,667	7,879	1,183,108
1887...	2007	15,401,186	881	3,850,297	54,654	143,169,827	23,086	54,387,543	24,822	9,123,192	16,000	2,140,008

Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.†	Per cent. mortgaged.	Av. value per acre of farm lands. ‡	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1875.....	152,282	20,084	172,366	494,723	{	\$57 14	\$145 30
1880.....	66,300	11,832	78,132				62 06
1887*....	98,259	16,969	116,228				165 64

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$22,544,808
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$30,369,083
Home value of farm products for one year (1879) ‡.....	\$3,699,973

\* Proportion for deferred payments not being given, these numbers and amounts are estimated, from former years.

† State Auditor's Report, 1887.

‡ United States Census Report, 1880.



**CRAWFORD COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887, in Crawford County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	72	\$48,342	5,324	....	181	\$85,780	7,567	....	176	\$90,212	10,729	....
Lots.....	15	7,264	....	38	38	13,665	....	70	69	26,345	....	149
Total Real Est.	87	\$55,606	5,324	38	164	\$79,395	7,567	70	245	\$115,557	10,729	149
Chattels.....	41	10,810	....	....	78	81,418	....	....	107	23,417	....	....
Totals.....	128	\$66,416	5,324	38	242	\$110,813	7,567	70	352	\$138,974	10,729	149

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	31	\$7,502	51	\$40,840	3	\$620	12	\$8,644	40	\$2,606	1	\$1,204
1880....	58	25,150	73	40,580	10	2,370	23	11,295	43	7,942	30	24,176
1887....	94	44,649	82	45,568	15	5,364	54	19,981	84	11,393	23	12,026

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNISHED CROPS.		PIANOS, ORGANS, SEWING MACHINES		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	33	\$8,244	1	\$32	1	\$1,204	2	\$795	3	\$485	....	....	....	....	1	\$50
1880....	80	4,205	....	....	3	755	32	21,057	12	1,801	1	\$3,600	....	....	....	....
1887....	60	9,013	1	65	7	3,350	26	9,104	12	1,788	....	....	....	....	1	97

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
....	....	....	....	30	\$14,450	....	64	68	\$32,515	....	144

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
....	....	....	....	13	\$16,225	1,460	....	65	\$30,671	7,259	....

## CRAWFORD COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	72	.0982	2.7	15	.0985	2.746	41	.0952	11.92
1880.....	131	.0791	2.817	88	.0797	2.652	78	.0824	13.18
1887.....	176	.0746	2.907	69	.0794	3.57	107	.08	15.08

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	194	\$136,932	14,375	41	\$20,929	91	41	\$11,762	276	\$169,623
1880. ....	304	158,319	17,533	88	37,684	186	86	37,348	478	233,351
1887. ....	512	272,028	31,189	246	94,074	532	134	31,670	892	397,772

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	56	\$21,275	138	\$115,657	8	\$1,800	33	\$19,129	40	\$10,451	1	\$1,311
1880.....	135	60,636	169	97,683	27	6,519	61	31,165	53	8,627	33	23,731
1887.....	274	134,654	238	137,374	227	19,944	19	74,130	106	15,392	29	16,273

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	3,308	11,067	14,375	269,907	5.32	\$28.02	\$9.53
1880. ....	8,392	9,141	17,533		6.50		9.08
1887. ....	17,192	13,997	31,189		11.55		8.72

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$5,647,865
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$284,219
Home value of farm products for one year (1879)†.....	\$994,068

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**CUMBERLAND COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Cumberland County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	*1870.				*1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	•	.....	.....	.....	•	.....	.....	.....	198	\$114,755	10,108	....
Lots .....	•	.....	.....	.....	•	.....	.....	.....	50	24,898	.....	77
Total Real Est. Chattels .....	•	.....	.....	.....	•	.....	.....	.....	248	\$139,653	10,108	77
Totals .....	.....	.....	.....	.....	.....	.....	.....	.....	378	\$167,927	10,108	77

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870* .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880* .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887 .....	125	\$75,539	73	\$39,216	28	\$13,420	22	\$11,478	104	\$35,447	26	\$2,827

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870* .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880* .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887 .....	88	\$10,320	3	\$751	2	\$375	34	16,666	1	\$50	.....	.....	.....	.....	2	\$112

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	21	\$11,000	47	35	74	\$38,500	165	123

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	14	\$14,804	916	3	45	\$48,009	2,971	10

\* Records destroyed by fire.

## CUMBERLAND COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887.....	198	.0748	8.828	50	.0798	2.902	180	.0794	10.48

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887.....	758	\$455,667	88,674	145	\$75,187	228	118	\$26,651	1,016	\$557,455

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887.....	479	\$390,829	279	\$155,838	64	\$40,499	81	\$34,638	90	\$24,011	28	\$2,440

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....
1887.....	24,364	14,810	88,674	219,898	17.62	\$20 60	\$11 78

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$4,067,007
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$465,896
Home value of farm products for one year (1879)†.....	\$810,912

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**DE KALB COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in De Kalb County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	302	\$426,078	31,410	.....	256	\$454,491	24,719	.....	202	\$398,236	19,227	.....
Lots.....	126	87,786	.....	234	143	80,580	.....	214	145	77,519	.....	236
Total Real Est.	428	\$513,864	31,410	234	399	\$535,071	24,719	214	347	\$475,744	19,227	336
Chattels.....	388	125,318	.....	496	.....	129,688	.....	.....	378	147,869	.....	.....
Totals.....	811	\$639,182	31,410	234	835	\$664,754	24,719	214	725	\$623,633	19,227	236

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	257	\$319,748	45	\$106,335	108	\$88,699	23	\$19,087	309	\$102,604	74	\$22,714
1880.....	247	430,089	9	24,402	185	76,709	8	3,671	328	110,136	108	19,547
1887.....	199	386,465	8	11,760	180	70,144	15	7,375	263	107,986	95	39,953

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	333	\$104,485	5	\$2,341	14	\$3,717	2	\$1,486	21	\$6,142	5	\$1,399	1	\$450	2	\$249
1880.....	351	94,183	6	1,004	4	4,873	19	11,068	33	11,347	15	5,932	8	1,536	.....	.....
1887.....	337	135,217	11	1,001	10	4,394	8	1,857	10	4,887	1	500	1	38	.....	.....

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	14	\$7,275	.....	23	42	\$21,835	.....	69

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
33	\$32,452	4,018	11	24	\$63,242	2,464	5	113	\$397,111	11,576	23

## DE KALB COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	302	.0953	3.079	126	.0975	1.919	888	.0976	12.76
1880....	256	.0773	4.308	143	.0783	2.643	436	.0804	12.73
1887....	202	.0701	4.601	145	.0737	3.058	378	.0738	13.07

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	980	\$1,574,406	96,711	242	\$176,673	449	407	\$146,268	1,579	\$1,697,337
1880.....	1,076	1,984,055	108,894	378	221,311	566	484	149,217	1,918	2,354,583
1887.....	929	1,696,453	88,463	443	245,788	728	412	172,980	1,784	2,315,171

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	781	\$1,080,731	139	\$343,675	196	\$138,335	44	\$38,338	338	\$119,786	79	\$26,472
1880....	1,088	1,878,916	38	107,189	357	211,131	21	10,180	349	126,685	115	22,532
1887....	915	1,889,560	14	56,398	397	222,339	46	28,449	308	126,289	104	46,691

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	80,281	16,430	96,711	397,956	24.30	\$41 97	\$14 21
1880.....	99,988	3,906	103,894		26.10		19 10
1887.....	86,167	2,296	88,463		22.23		21 44

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$18,765,749
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$2,054,565
Home value of farm products for one year (1879)†.....	\$3,280,545

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**DE WITT COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in DeWitt County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	221	\$387,028	24,080	....	164	\$212,841	14,811	....	218	\$308,068	17,982	....
Lots.....	45	33,474	.....	96	80	32,688	.....	208	100	62,876	.....	212
Total Real Est	266	\$370,502	24,080	96	244	\$244,989	14,811	208	318	\$365,934	17,982	212
Chattels.....	148	52,391	.....	226	64,012	.....	244	76,478	.....	.....	.....	.....
Totals.....	414	\$422,893	24,080	96	470	\$308,961	14,811	208	562	\$442,406	17,982	212

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	197	\$279,324	24	\$57,704	41	\$28,384	4	\$5,090	145	\$47,360	5	\$5,081
1880....	142	177,057	22	35,284	68	27,840	12	4,818	208	56,004	23	8,006
1887....	198	262,658	20	40,400	57	34,738	48	28,142	211	64,043	38	14,430

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't	No.	Am't.	No.	Am't.
1870....	108	\$31,144	1	\$189	5	\$3,126	1	\$418	23	\$9,948	6	\$2,616	....	....	4	\$960
1880....	176	48,798	4	309	7	5,366	8	2,353	16	3,801	6	2,171	6	\$718	3	696
1887....	211	\$64,508	2	665	11	6,742	4	1,090	13	4,733	.....	.....	1	810	2	426

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
3	\$982	.....	8	35	\$27,450	34	46	123	\$96,075	119	161

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
30	\$67,726	4,186	9	62	\$110,167	6,219	17	249	\$441,660	24,982	66

\* Thirty-one mortgages, aggregating \$13,879, given on traction engines and threshing machines.

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**SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.**

YEARS.	No. of mort-gages.	AVERAGES FOR LANDS.		No. of mort-gages.	AVERAGES FOR LOTS.		No. of mort-gages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	221	.0873	3.568	45	.087	2.466	148	.0996	13.57
1880....	164	.0777	3.8	80	.0789	2.311	226	.0793	15.6
1887....	218	.0712	3.383	100	.0779	2.996	244	.0736	12.83

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	789	\$1,261,018	85,918	111	\$36,550	234	167	\$65,147	1,067	\$1,412,715
1880. ....	623	838,244	56,232	185	78,306	469	238	85,850	1,101	1,006,400
1887. ....	857	1,284,359	70,637	800	196,711	635	260	90,489	1,417	1,530,559

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	708	\$1,046,645	86	\$214,878	101	\$73,895	10	\$13,155	161	\$58,804	6	\$6,253
1880....	589	699,095	84	139,149	157	66,717	28	11,589	263	78,619	80	11,331
1887....	778	1,070,189	79	164,170	171	116,448	129	79,263	233	73,839	27	16,650

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	76,851	9,066	85,917	251,286 {	34.19	\$35 09	\$14 68
1880. ....	49,811	6,471	56,282		22.40		14 39
1887. ....	63,562	6,965	70,527		28.07		17 52

Value of farms, improvements, implements and live stock †.....	\$9,424,814
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,808,754
Home value of farm products for one year (1879)†.....	\$1,728,868

† United States Census Report, 1880.



**DOUGLAS COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Douglas County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	175	\$232,309	17,510	...	289	\$301,581	25,167	...	258	\$229,648	20,182	...
Lots .....	62	81,522	.....	101	70	81,490	.....	181	145	81,512	.....	274
Total Real Est	237	\$293,731	17,510	101	359	\$383,011	25,167	181	398	\$411,160	20,182	274
Chattels .....	146	53,535	.....	...	181	53,442	.....	...	304	82,191	.....	...
Totals .....	383	\$347,266	17,510	101	540	\$436,453	25,167	181	702	\$493,351	20,182	274

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	123	\$177,741	52	\$34,468	34	\$17,256	28	\$14,266	141	\$53,352	5	\$233
1880....	267	278,412	22	23,169	61	27,769	9	3,661	158	48,506	23	4,337
1887....	215	236,527	28	43,121	62	25,162	38	53,725	262	77,062	42	5,129

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Amt's.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.
1870.....	130	\$38,405	...	.....	.....	.....	4	\$7,549	10	\$7,824	2	\$307	.....	.....	.....	.....
1880.....	148	40,572	4	\$435	.....	.....	8	3,453	29	8,728	.....	.....	1	\$119	1	\$140
1887.....	208	48,046	3	156	2	\$306	26	15,316	35	10,550	26	6,952	.....	.....	4	865

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	81	\$53,100	85	227	324	\$212,400	340	908

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
120	\$147,311	11,278	20	119	\$203,538	11,177	18	527	\$901,877	49,525	80

## DOUGLAS COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870 .....	175	.0972	2.943	62	.0981	1.482	146	.0997	10.98
1880 .....	289	.0767	3.406	70	.0772	2.324	181	.079	12.72
1887 .....	253	.0696	3.932	145	.0778	5.006	304	.0793	12.59

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870 .....	515	\$809,186	51,508	92	\$49,007	150	132	\$53,422	739	\$911,614
1880 .....	1,010	1,094,233	87,984	156	49,723	293	191	61,181	1,857	1,205,637
1887 .....	1,004	1,341,218	79,356	726	423,922	1,872	319	98,067	2,049	1,858,207

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870 ....	362	\$530,917	153	\$279,168	51	\$26,827	41	\$22,180	127	\$53,193	5	\$229
1880 ....	928	992,469	77	101,764	136	41,220	30	8,503	167	55,507	24	5,624
1887 ....	855	1,165,519	149	175,999	311	144,558	415	279,364	275	87,297	44	5,770

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870 .....	37,235	14,268	51,503	262,458	19.62	\$22.84	\$15.71
1880 .....	81,502	6,482	87,984		33.52		12.44
1887 .....	68,198	11,158	79,356		30.24		16.90

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock† .....	\$3,485,563
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$1,395,626
Home value of farm products for one year (1879) † .....	\$1,521,456

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**DU PAGE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Du Page county.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands. ....	174	\$347,900	11,116	....	150	\$292,354	9,779	....	120	\$233,685	7,344	....
Lots. ....	186	197,818	....	383	89	64,935	....	223	183	225,609	....	523
Total Real Est.	310	\$345,718	11,116	383	239	\$357,289	9,779	223	303	\$508,294	7,344	523
Chattels. ....	88	14,142	....	....	91	38,413	....	....	108	45,227	....	....
Totals. ....	348	\$559,860	11,116	383	330	\$395,702	9,779	223	411	\$553,521	7,344	523

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870. ....	82	\$178,719	92	\$171,091	83	\$114,911	73	\$32,907	36	\$13,623	2	\$514
1880. ....	104	222,310	46	70,044	56	49,940	83	14,995	88	30,993	3	2,430
1887. ....	86	189,869	35	93,826	102	112,702	81	112,907	108	44,437	5	790

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINEERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870. ....	31	\$10,623	2	\$382	2	\$337	....	....	3	\$2,350	....	....	....	....	....	....
1880. ....	57	18,623	5	1,505	1	100	2	\$705	8	482	3	1,105	4	\$1,041	16	\$9,352
1887. ....	79	31,151	9	2,181	3	1,315	2	1,080	....	....	1	600	5	790	9	8,160

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	2	\$3,500	2	1	7	\$12,250	7	4

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
8	\$22,350	637	4	12	\$32,260	159	24	46	\$124,007	611	92

## DU PAGE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	174	.0664	2.955	186	.0684	2.653	88	.0686	16.32
1880....	150	.0719	3.964	89	.0753	2.69	91	.0769	17.42
1887....	120	.0639	3.674	183	.0651	3.132	108	.0685	16.14

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	514	\$1,072,455	32,848	361	\$548,008	1,016	51	\$20,944	926	\$1,641,407
1880. ....	595	1,200,563	38,764	289	181,252	600	131	52,228	965	1,424,081
1887. ....	441	1,075,569	26,932	532	741,264	1,661	145	64,999	1,108	1,881,812

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	242	\$546,963	272	\$525,502	167	\$317,845	194	\$230,168	48	\$13,404	3	\$7,540
1880....	413	912,420	182	238,133	150	139,388	89	41,869	126	48,466	5	3,790
1887....	312	719,548	129	356,011	318	358,767	264	382,487	138	68,894	7	1,105

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improv'd lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	12,370	20,478	32,848	205,220	16.	\$63 75	\$23 65
1880. ....	32,892	5,872	38,764		18.88		30 97
1887. ....	20,506	6,476	26,982		13.14		39 86

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$13,376,634
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,120,828
Home value of farm products for one year (1879)† .....	\$1,442,408

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**EDGAR COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Edgar County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	183	\$255,005	16,912	.....	242	\$265,197	19,053	.....	289	\$346,871	25,065	.....
Lots .....	65	35,392	.....	109	111	75,845	.....	171	159	71,173	.....	312
Total Real Est	248	\$290,397	16,912	109	353	\$341,042	19,053	171	440	\$418,044	25,065	312
Chattels.....	139	88,896	.....	.....	200	67,917	.....	.....	390	153,900	.....	.....
Totals.....	387	\$379,293	16,912	109	553	\$408,959	19,053	171	830	\$571,944	25,065	312

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	172	\$229,614	11	\$25,391	60	\$35,313	5	\$4,079	136	\$35,188	3	\$3,708
1880....	168	190,821	74	74,376	73	49,762	38	26,083	198	65,927	2	1,990
1887....	198	246,806	83	100,265	65	31,315	94	39,958	385	146,410	5	7,490

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't	No.	Am't	No.	Am't	No.	Am't	No.	Am't	No.	Am't	No.	Am't
1870.....	109	\$25,966	1	\$150	11	\$4,792	4	\$2,500	6	\$2,089	2	\$294	.....	.....	6	\$3,135
1880.....	123	36,926	6	1,910	12	2,713	11	8,892	32	10,530	2	610	1	\$339	13	5,397
1887.....	269	106,635	7	658	13	3,466	16	8,715	18	4,068	5	1,790	4	240	38	23,328

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
1	\$500	.....	1	34	\$13,730	.....	53	79	\$22,032	.....	124

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
28	\$28,052	1,488	9	33	\$44,060	2,945	13	144	\$191,794	12,822	57

## EDGAR COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	188	.0928	2.111	65	.0973	1.544	139	.0958	10.6
1880....	242	.0718	3.319	111	.0798	2.867	300	.0762	13.7
1887....	281	.072	3.674	159	.0777	2.955	390	.0795	10.9

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	386	\$563,298	35,702	100	\$57,308	168 123		\$37,965	609	\$658,561
1880.....	779	894,316	61,332	268	186,648	405 228		83,562	1,270	1,154,531
1887.....	1,032	1,220,283	92,069	470	218,487	922 355		151,045	1,857	1,689,815

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	363	\$507,351	23	\$55,942	92	\$50,714	8	\$6,589	120	\$34,359	3	\$3,606
1880....	541	636,708	238	247,606	173	122,438	90	64,205	228	81,148	2	2,494
1887....	727	988,721	305	381,562	192	95,697	278	122,790	350	143,644	5	7,401

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	32,736	2,966	35,702	396,497	9.	\$41 09	\$15 78
1880.....	45,639	15,693	61,332		15.46		14 43
1887.....	63,633	28,256	92,069		23.22		14 84

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$16,337,698
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,426,066
Home value of farm products for one year (1879) †.....	\$2,580,536

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**EDWARDS COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Edwards County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1875.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	104	\$73,282	7,651	.....	128	\$63,718	7,822	.....	153	\$78,308	8,715	.....
Lots.....	29	11,138	.....	50	21	6,864	.....	38	48	15,979	.....	73
Total Real Est.	133	\$84,410	7,651	50	144	\$70,582	7,822	83	200	\$96,282	8,715	73
Chattels.....	12	8,578	.....	.....	51	10,612	.....	.....	84	14,999	.....	.....
Totals.....	145	\$93,288	7,651	50	195	\$81,194	7,822	83	284	\$110,281	8,715	73

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1875.....	68	\$38,692	41	\$39,590	21	\$6,753	8	\$4,375	10	\$2,648	2	\$1,280
1880.....	89	47,789	84	15,979	16	5,864	5	1,000	40	5,706	11	4,906
1887.....	138	71,761	14	7,542	83	10,888	15	5,096	46	7,622	38	7,377

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINE-ERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1875.....	9	\$3,465	.....	.....	.....	.....	1	\$200	1	\$37	1	\$171	.....	.....	.....	.....
1880.....	27	6,229	.....	.....	.....	.....	.....	.....	19	2,797	2	190	1	\$300	2	\$1,096
1887.....	71	11,807	.....	.....	4	\$1,885	8	675	4	557	1	25	.....	.....	1	50

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	10	\$3,200	.....	14	10	\$3,200	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
5	\$1,020	240	.....	2	\$5,218	200	4	6	\$15,312	576	12

## EDWARDS COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	104	.0685	3.37	29	.0613	1.989	12	.0967	12.23
1880.....	133	.0772	1.915	21	.0753	1.145	51	.0729	15.29
1887.....	132	.0741	1.957	43	.0719	2.877	84	.0766	18.45

## Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	246	\$181,450	18,133	58	\$23,143	99	12	\$4,332	316	\$208,925
1880.....	236	126,980	14,979	24	8,155	33	64	14,501	324	149,868
1887.....	297	160,854	17,055	133	47,625	210	94	15,101	529	226,680

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	149	\$83,467	97	\$97,963	42	\$14,048	16	\$9,095	10	\$2,955	2	\$1,377
1880....	171	94,921	65	31,809	18	8,964	6	1,191	50	7,802	14	6,699
1887...	270	145,663	27	15,291	106	32,533	32	15,002	51	9,196	43	8,906

## Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	10,521	7,612	18,133	139,944	12.95	\$26 77	\$10 06
1880.....	11,026	3,953	14,979		10.7		8 46
1887.....	15,837	1,218	17,055		12.18		9 44

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$2,650,894
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$175,203
Home value of farm products for one year (1879) †.....	\$654,473

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**EFFINGHAM COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Effingham County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	110	\$83,006	9,906	....	205	\$127,657	16,418	....	209	\$112,105	16,406	....
Lots.....	52	38,670	.....	95	49	25,623	.....	98	127	55,572	.....	197
Total Real Est.	162	\$121,876	9,906	95	254	\$153,280	16,418	98	336	\$168,677	16,406	197
Chattels.....	75	26,134	.....	126	23,998	.....	198	.....	198	42,368	.....	.....
Totals.....	237	\$147,810	9,906	95	280	\$177,278	16,418	98	534	\$211,040	16,406	197

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	68	\$32,803	43	\$20,203	28	\$21,014	24	\$17,656	58	\$15,655	17	\$10,479
1880....	181	108,598	27	19,059	39	19,428	10	6,195	96	16,475	30	7,523
1887....	199	109,005	10	8,100	73	33,572	54	23,900	159	25,307	89	17,156

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINEERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	49	\$16,858	....	.....	8	\$2,108	3	\$1,777	10	\$3,168	....	.....	....	.....	5	\$3,325
1880....	78	13,502	5	\$750	3	1,965	3	2,700	17	2,684	2	\$261	13	\$1,186	5	950
1887....	137	26,886	4	1,092	13	4,940	9	3,213	5	1,126	1	1,785	20	2,238	9	1,073

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	52	\$19,950	74	77	182	\$69,825	239	270

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
45	\$35,160	4,588	7	32	\$23,726	2,437	10	96	\$71,949	7,315	30

## EFFINGHAM COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	110	.0866	3.85	52	.0898	1.9	75	.0915	13.47
1880....	306	.0735	3.184	49	.0723	1.639	126	.0763	10.22
1887....	209	.0724	3.718	127	.0773	4.006	198	.0693	13.11

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	292	\$229,490	26,251	99	\$76,772	180	84	\$32,023	475	\$338,284
1880. ....	653	421,397	53,275	80	43,535	207	107	28,000	840	486,922
1887. ....	777	431,894	60,998	509	236,328	739	216	49,486	1,502	716,707

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	281	\$173,954	11	\$55,536	53	\$41,457	46	\$35,315	65	\$19,182	19	\$12,840
1880....	567	358,619	86	62,778	64	32,992	16	10,533	81	15,114	26	8,886
1887....	740	419,801	37	12,098	233	139,901	216	95,427	173	29,444	43	20,041

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	16,451	9,800	26,251	239,647	9.06	\$23.37	\$8.74
1880. ....	46,824	5,451	52,275		18.22		8.02
1887. ....	60,232	706	60,938		21.06		7.08

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$5,363,087
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$463,239
Home value of farm products for one year (1879)†.....	\$969,953

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**FAYETTE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Fayette County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	108	\$77,116	7,986	....	817	\$188,863	24,352	....	359	\$212,519	27,927	....
Lots .....	28	14,744	.....	68	46	16,992	.....	116	102	48,401	.....	238
Total Real Est.	181	\$92,460	7,986	68	863	\$205,855	24,352	116	461	\$260,920	27,927	238
Chattels .....	99	82,940	.....	261	47,775	.....	326	826	66,398	.....	.....	.....
Totals .....	280	\$125,400	7,986	68	614	\$253,630	24,352	116	787	\$327,318	27,927	238

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	98	\$74,674	5	\$3,042	37	\$14,278	1	\$466	88	\$37,004	18	\$5,986
1880....	232	166,048	35	22,815	40	14,012	6	2,960	230	41,808	31	5,972
1887....	343	205,559	16	6,960	57	29,007	45	19,394	271	55,239	55	11,154

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870 .....	72	\$20,429	3	\$320	1	\$460	8	\$5,582	10	\$4,080	1	\$535	...	...	4	\$1,584
1880 .....	199	32,654	...	...	...	...	24	10,061	28	5,070	...	...	...	...	...	...
1887 .....	213	29,629	6	1,270	1	200	45	19,767	53	8,112	6	7,300	2	115	...	...

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
2	\$950	80	2	47	\$23,594	436	88	200	\$26,025	1,853	374

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
10	\$11,020	770	6	30	\$51,545	4,507	4	143	\$245,354	21,453	19

## FAYETTE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	108	.0877	3.575	28	.0844	1.679	99	.0958	13.52
1880....	517	.0773	2.617	46	.0737	2.405	251	.0798	11.71
1887....	859	.0771	3.323	102	.0759	4.323	336	.0795	13.57

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	364	\$290,017	28,144	47	\$25,923	106	111	\$40,649	522	\$356,589
1880.....	890	513,357	63,739	111	42,495	279	245	50,338	1,166	606,190
1887.....	1,374	844,854	106,905	441	217,439	1,030	841	75,077	2,156	1,137,322

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	185	\$278,678	179	\$11,389	45	\$25,104	2	\$819	93	\$34,064	18	\$6,585
1880....	738	451,241	92	62,116	97	35,058	14	7,437	215	44,046	30	6,293
1887....	762	817,002	612	27,882	246	130,458	195	86,971	283	62,456	58	12,613

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	27,107	1,087	28,144	427,664	6.58	\$22 31	\$10.30
1880.....	56,690	7,069	63,729		14.9		8.06
1887.....	104,984	1,971	106,905		24.99		7.90

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$7,463,517
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$878,333
Home value of farm products for one year (1879)†.....	\$1,501,306

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**FORD COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870 1880 and 1887 in Ford County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	888	\$890,066	61,947	....	*196	\$251,800	22,658	....	1288	\$370,396	24,990	....
Lots.....	50	41,885	.....	83	40	14,782	.....	106	108	62,313	.....	205
Total Real Est.	438	\$731,441	61,947	83	236	266,582	22,658	108	346	\$432,711	24,990	205
Chattels.....	176	78,452	.....	....	453	105,809	.....	....	339	117,581	.....	....
Totals.....	614	\$809,893	61,947	83	689	\$372,341	22,658	108	685	\$550,292	24,990	205

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	321	\$588,887	67	\$101,199	40	\$36,126	10	\$5,269	134	\$56,958	42	\$21,494
1880....	177	225,325	19	26,475	33	10,860	7	3,872	306	41,552	147	64,257
1887....	206	336,445	32	33,953	27	11,849	86	50,464	265	76,608	74	40,928

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	108	\$29,460	1	\$100	7	\$4,372	1	\$1,100	9	\$2,835	4	\$1,574	....	.....	51	\$29,021
1880.....	326	65,576	9	1,900	6	1,705	6	1,711	25	6,418	7	3,948	10	2,794	64	21,769
1887.....	273	88,732	5	2,088	4	350	3	983	19	4,475	5	5,424	1	65	29	15,454

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	67	\$41,900	1	109	336	\$209,500	5	545

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
48	\$33,825	6,406	2	56	\$103,119	3,580	12	236	\$434,131	15,072	51

\*One mortgage \$3,000, 20 years, 8 per cent. on 151 acres of land.

†One mortgage, \$3,500, 25 years, 7 per cent.

## FORD COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	238	.0975	3.754	50	.0681	3.12	176	.0991	10.59
1880....	196	.0745	4.209	40	.0781	1.687	458	.0774	10.61
1887....	228	.0661	4.6	108	.0663	4.791	839	.0732	10.83

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	1,457	\$2,716,341	232,549	106	\$92,089	174	155	\$76,098	1,718	\$2,884,478
1880.....	826	1,096,305	95,895	68	25,976	183	400	100,789	1,236	1,236,070
1887.....	1,086	1,760,318	114,594	517	306,423	962	907	114,892	1,919	2,186,633

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	1,305	\$2,318,164	252	\$398,177	85	\$80,442	31	\$11,597	118	\$59,448	37	\$16,650
1880....	745	938,878	80	115,437	56	19,144	12	6,833	270	39,610	130	61,179
1887....	1,080	1,591,323	15	166,990	106	58,904	412	249,514	240	74,910	67	39,933

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	216,579	15,970	232,549	304,736	76.33	\$28 37	\$11 08
1880.....	88,639	6,739	95,369		31.8		11 53
1887.....	110,712	3,822	114,594		37.6		15 26

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$9,068,061
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,847,050
Home value of farm products for one year (1879)†.....	\$1,790,574

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**FRANKLIN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Franklin County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	87	\$25,452	5,688	....	177	\$24,417	13,181	....	126	\$58,001	9,706	....
Lots .....	10	8,868	.....	15	26	7,702	.....	34	86	13,813	.....	46
Total Real Est	97	\$39,310	5,688	15	203	\$32,119	13,181	34	161	\$71,814	9,706	46
Chattels .....	5	373	.....	.....	79	14,570	.....	.....	107	8,736	.....	.....
Totals .....	102	\$39,683	5,688	15	282	\$106,689	13,181	34	268	\$80,609	9,706	46

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	2	\$1,628	85	\$33,829	8	\$3,682	2	\$176	4	\$380	1	\$43
1880....	23	18,723	154	65,689	21	6,712	5	990	56	12,064	23	2,436
1887....	98	40,313	28	17,688	34	13,463	1	350	62	4,721	46	4,074

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	5	\$373	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880....	52	4,453	1	\$90	.....	.....	9	\$6,875	11	\$1,192	1	\$55	.....	.....	5	\$1,915
1887....	88	5,726	1	30	1	30	8	1,479	2	75	1	400	.....	.....	6	1,055

## Totals of Mortgages given to Building and Loan Associations.

1880.*				1887.*				TOTAL IN FORCE—1887.*			
No.	Amount.	Acres.	Lots	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
29	\$19,901	2,591	.....	20	\$31,946	1,903	16	37	\$59,806	2,563	30

\* No mortgages of this class recorded.

## FRANKLIN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	87	.0909	1.597	10	.10	1.133	5	.10	11.38
1880....	177	.0799	2.471	26	.08	2.563	79	.0796	11.84
1887....	196	.0768	1.755	35	.0784	2.57	107	.08	9.13

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	139	\$59,190	9,064	11	\$4,589	17	4	\$388	154	\$64,167
1880. ....	437	216,927	32,570	67	20,570	87	77	15,517	581	253,014
1887. ....	221	106,624	17,082	90	36,802	118	81	7,237	392	149,653

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	3	\$4,739	136	\$54,441	9	\$4,378	2	\$211	3	\$344	1	\$44
1880....	55	48,158	332	163,769	54	17,916	13	2,664	54	12,879	23	2,633
1887....	178	73,409	43	32,215	87	35,872	8	980	47	8,794	34	3,433

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	398	8,696	9,094	253,521	3.58	\$19 91	\$6 52
1880. ....	4,843	27,727	32,570		12.84		6 66
1887. ....	13,313	3,719	17,032		16.72		6 20

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$3,390,700
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$110,327
Home value of farm products for one year (1879)†.....	\$258,106

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**FULTON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Fulton County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	227	\$220,401	18,100	.....	316	\$386,849	27,007	.....	*533	\$622,649	46,308	.....
Lots .....	96	72,777	.....	166	108	58,278	.....	238	297	158,306	.....	535
Total Real Est	323	\$308,178	18,100	166	424	\$390,127	27,007	238	830	\$790,955	46,308	535
Chattels .....	159	61,278	.....	.....	374	99,087	.....	.....	509	159,082	.....	.....
Totals .....	482	\$364,454	18,100	166	798	\$489,214	27,007	238	1,339	\$940,037	46,308	535

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	214	\$211,735	13	\$18,666	90	\$71,157	6	\$1,630	152	\$56,992	7	\$4,294
1880....	302	323,816	14	8,083	105	51,578	8	1,900	299	73,271	75	14,816
1887....	508	604,536	25	18,114	234	109,938	73	43,368	407	127,266	102	31,816

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IM- PLEMENTS.		HOUSE- HOLD GOODS.		MER- CHANDISE AND FIX- TURES.		MACHIN- ERY AND TOOLS.		GROW- ING CROPS.		GAR- NERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCEL- LANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	110	\$36,743	6	\$1,498	6	\$5,136	3	\$379	15	\$6,206	1	\$880	3	\$1,870	15	\$8,624
1880.....	276	66,922	10	1,945	13	6,116	14	8,335	22	4,661	3	1,500	25	1,818	11	7,905
1887.....	368	84,901	16	1,908	20	11,580	64	46,701	16	5,212	2	870	8	1,098	26	7,317

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	72	\$43,700	74	111	378	\$229,425	339	533

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
3	\$6,200	400	.....	6	\$15,508	772	.....	23	\$71,810	3,576	.....

\* Two mortgages, \$4,000 each; 13 years, 6 per cent.

## FULTON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	237	.0854	3.284	99	.0972	2.961	159	.0975	13.06
1880.....	316	.0789	3.255	108	.9786	2.213	374	.0887	15.05
1887.....	533	.0754	3.624	297	.0785	3.444	509	.0776	15.05

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	741	\$787,901	59,078	284	\$225,966	491	172	\$78,018	1,197	\$1,086,885
1880.....	1,029	1,139,698	87,908	239	132,538	516	468	134,669	1,736	1,396,905
1887.....	1,932	2,341,549	167,820	1,023	566,905	1,808	686	215,001	3,568	3,123,155

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	699	\$729,898	42	\$58,008	266	\$175,876	18	\$50,890	164	\$67,907	8	\$5,111
1880....	983	1,112,345	46	27,353	232	118,127	7	4,411	874	107,735	94	26,984
1887....	1,841	2,373,644	91	67,906	772	396,234	251	173,881	510	172,001	128	48,000

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	54,946	4,132	59,078	556,332	10.62	\$46 75	\$18 34
1880.....	84,705	3,308	87,908		15.8		19 96
1887.....	160,996	6,824	167,820		30.16		13 96

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$19,232,567
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$2,456,291
Home value of farm products for one year (1879) † .....	\$3,000,180

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**GALLATIN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Gallatin county.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.*				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands. ....					136	\$100,825	13,606	....	163	\$134,008	15,667	....
Lots. ....					86	13,702	.....	61	45	25,414	.....	96
Total Real Est.					172	\$114,027	13,606	61	208	\$159,422	15,667	96
Chattels. ....					217	42,026	.....		329	73,693	.....	
Totals. ....					389	\$156,053	13,606	61	537	\$233,115	15,667	96

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870*....												
1880....	110	\$35,525	26	\$14,800	27	\$10,625	9	\$3,060	200	\$34,310	17	\$7,816
1887....	134	105,129	29	28,879	30	21,195	15	4,219	277	56,598	52	17,095

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870*....																
1880....	137	\$21,246	1	\$60	7	\$2,705	5	\$2,862	59	\$11,706	5	\$2,854	2	\$525	1	\$25
1887....	230	40,817	9	1,880	5	8,960	10	7,899	43	14,178	9	1,987	19	2,635	4	362

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	3	\$1,100	.....	4	24	\$3,800	.....	32

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
21	\$39,900	4,288	2	14	\$56,058	5,139	3	30	121,646	11,158	7

\* Records so imperfectly kept no transcript could be made.

† One mortgage on 180 acres of land, without term or amount, given to secure an annuity, and respectable burial.

## GALLATIN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	186	.0778	8.89	86	.0779	2.406	217	.08	12.41
1887.....	168	.0768	2.669	45	.0783	2.965	329	.0794	11.4

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	529	\$406,406	52,927	87	\$34,251	147	223	\$46,987	639	\$486,594
1887.....	485	371,401	41,815	138	78,228	291	312	75,566	890	526,195

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....												
1880.....	428	\$345,406	101	\$60,000	65	\$26,579	22	\$7,672	210	\$38,907	13	\$3,730
1887.....	358	291,178	77	80,223	89	58,350	44	19,878	268	58,085	49	17,531

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improvd lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	.....	.....	.....	.....	.....	.....	.....
1880.....	45,814	7,613	53,927	200,680	26.38	\$25.53	\$7.66
1887.....	30,099	11,717	41,815		20.84		8.88

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$2,262,256
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$413,263
Home value of farm products for one year (1879)+ .....	\$738,408

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**GREENE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Greene County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	100	\$122,016	7,992	....	147	\$270,414	16,092	....	189	\$329,644	26,212	....
Lots .....	44	38,319	.....	71	68	81,699	.....	91	99	56,418	.....	144
Total Real Est	144	\$155,335	7,992	71	210	\$302,113	16,092	91	288	\$386,062	26,212	144
Chattels.....	63	17,620	.....	....	177	49,248	.....	....	353	109,705	.....	....
Totals.....	207	\$172,955	7,992	71	387	\$351,361	16,092	91	591	\$495,767	26,212	144

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	86	\$101,449	14	\$20,567	36	\$30,292	8	\$13,072	47	\$13,190	18	\$4,440
1880.....	146	247,989	1	22,475	62	26,810	1	5,389	170	48,505	7	743
1887.....	187	220,688	8	8,961	76	44,252	23	12,166	389	107,810	14	1,895

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINEERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	49	\$10,735	1	\$1,500	4	\$2,680	....	....	4	\$448	....	....	....	....	5	\$2,282
1880.....	108	27,769	3	1,080	9	4,739	8	3,514	36	9,808	6	2,600	7	743	....	....
1887.....	256	82,636	7	1,694	4	2,085	18	3,725	88	7,788	4	1,225	14	1,895	12	8,662

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	29	\$17,127	352	34	126	\$74,211	\$1,525	147

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	5	\$31,800	8,800	1	14	\$91,997	25,458	3

## GREENE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	100	.0874	1.649	44	.0685	1.478	68	.10	10.12
1880.....	147	.0799	2.485	68	.0802	2.289	177	.0797	12.46
1887.....	139	.0753	3.85	99	.0748	2.359	353	.0789	12.89

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	165	\$211,002	13,179	65	\$51,670	105	53	\$16,342	283	\$279,014
1880.....	265	698,825	89,989	144	75,469	208	183	55,212	692	829,596
1887.....	436	798,271	87,810	234	138,068	340	379	127,138	1,079	1,063,477

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	142	\$175,182	23	\$35,870	53	\$31,519	12	\$20,151	39	\$13,050	14	\$3,291
1880.....	265	640,825	2	55,002	142	62,689	2	12,880	176	54,384	7	898
1887.....	436	767,138	27	81,133	180	106,521	54	29,547	384	124,977	15	2,161

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	11,617	1,532	13,179	341,409	3.86	\$43 90	\$16 01
1880.....	88,625	944	89,569		11.71		17 23
1887.....	86,906	907	87,810		25.72		9 09

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$12,028,577
Total of existing mortgage indebtedness on lands, live stock and implements.....	898,935
Home value of farm products for one year (1879) †.....	\$2,064,842

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**GRUNDY COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Grundy County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	261	\$301,568	24,681	....	*162	\$396,105	17,009	....	†143	\$325,399	16,322	....
Lots.....	103	64,059	.....	209	83	43,193	.....	758	91	46,770	.....	171
Total Real Est.	363	\$365,622	24,681	209	244	\$341,398	17,009	758	239	\$372,069	16,322	171
Chattels.....	194	70,684	.....	262	262	78,556	.....	266	266	82,742	.....	...
Totals.....	557	\$436,306	24,681	209	506	\$419,954	17,009	758	505	\$454,811	16,322	171

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	212	\$199,570	49	\$101,998	76	\$49,775	28	\$14,284	189	\$69,114	5	\$1,530
1880....	145	256,995	17	41,110	70	39,984	12	3,259	238	74,091	26	4,495
1887....	186	284,619	12	40,680	71	86,902	20	9,868	248	73,989	18	8,753

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	145	\$47,559	2	\$1,112	7	\$4,799	1	170	27	\$11208	11	\$5,641	....	....	1	\$300
1880.....	177	86,398	4	1,442	13	9,783	8	9,399	23	12331	19	6,811	16	\$2,632	2	260
1887.....	211	54,028	5	987	16	9,922	14	9,848	9	3,147	6	2,619	2	354	3	1,837

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	4	.....	\$5,875	.....	9	10	\$14,698	.....	23

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
26	\$45,684	2,545	.....	22	\$43,570	2,571	1	115	\$228,295	13,469	5

\* One mortgage \$80,000, 15 years, 7 per cent. on 640 acres, and 62 village lots to secure bonds of coal company.

† One mortgage \$30,000, no term, 5 per cent. on 1,380 acres, payable 90 days after the death of third party.

## GRUNDY COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	261	.0959	3.064	102	.099	1.706	194	.0994	17.01
1880....	182	.0764	4.452	82	.0787	3.815	262	.08	13.77
1887....	148	.0619	4.878	91	.0749	2.649	266	.0791	15.9

Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	800	\$968,294	75,469	174	\$114,695	356	274	\$110,148	1,248	\$1,193,137
1880.....	721	1,377,861	75,724	272	148,819	2,518	300	97,349	1,293	1,624,029
1887.....	722	1,635,921	79,619	241	128,534	453	351	118,308	1,314	1,882,758

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	650	\$640,911	150	\$327,383	180	\$89,119	44	\$25,578	267	\$107,835	7	\$2,313
1880....	645	1,187,726	76	190,135	282	187,658	40	11,161	270	91,800	30	5,549
1887....	663	1,431,431	59	204,460	188	101,413	53	27,121	327	106,768	24	12,540

Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	64,439	11,080	75,469	268,021	{	28.15	\$32.96
1880.....	69,416	6,308	75,724			28.25	
1887.....	73,102	6,517	79,619			29.70	

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock +.....	\$10,162,078
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$1,713,165
Value of farm products for one year (1889) + .....	\$1,604,366

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**HAMILTON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Hamilton County.

SUMMARIES FROM THE RECORDS.

**Recapitulation of Totals—By Years and Classes.**

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	69	\$23,776	6,241	....	219	\$90,854	15,181	....	232	\$79,534	18,722	....
Lots .....	7	1,598	.....	11	18	5,518	.....	33	32	14,823	.....	50
Total Real Est.	76	\$25,374	6,231	11	237	\$96,367	15,181	33	314	\$94,357	18,722	50
Chattels .....	21	8,764	.....	....	153	48,780	.....	....	302	45,170	.....	....
Totals .....	97	\$29,138	6,231	11	390	\$145,147	15,181	33	616	\$139,527	18,722	50

**Mortgages for Loans and for Deferred Payments of Purchase Money.**

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	29	\$6,416	40	\$17,360	3	\$320	4	\$1,278	21	\$3,764	....	.....
1880....	100	39,342	119	51,612	13	4,708	5	510	130	16,464	33	\$32,316
1887....	207	57,089	75	23,495	23	11,071	10	8,752	270	36,113	33	9,056

**Classification of Chattel Mortgages.**

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	18	\$3,228	....	.....	....	.....	1	25	1	\$111	1	\$400	....	.....	....	.....
1880....	107	34,590	....	.....	2	750	8	8,450	33	4,755	....	.....	3	235	....	.....
1887....	261	36,298	1	21	1	275	8	933	21	3,358	4	1,995	6	340	....	.....

**Totals of Mortgages given to Building and Loan Associations.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	1	\$1,000	40	.....	4	\$4,000	160	.....

**Totals of Mortgages executed to Non-Residents of the State.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
33	\$25,319	3,711	.....	7	\$7,692	1,062	.....	28	\$31,291	4,330	.....

## HAMILTON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	69	.0977	1.456	7	.10	1.438	21	.10	10.68
1880....	219	.0788	2.688	18	.0778	2.097	153	.0788	18.35
1887....	282	.0777	3.025	32	.0775	3.025	302	.0799	11.86

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	100	\$36,809	9,145	10	\$2,413	16	18	\$3,689	128	\$42,411
1880. ....	589	253,777	40,407	38	12,011	80	283	80,471	860	\$46,259
1887. ....	858	249,981	56,684	97	46,577	151	298	48,208	1,248	\$44,716

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870. ....	42	\$8,274	58	\$28,035	4	\$391	6	\$2,022	15	\$3,689	....	.....
1880. ....	269	109,632	320	144,145	23	10,245	10	1,766	183	27,300	50	53,271
1887. ....	626	173,900	227	70,731	67	34,794	30	11,783	266	38,566	32	9,642

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	3,429	5,716	9,145	270,989	3.37	\$17.42	\$3.95
1880. ....	18,623	22,184	40,807		15.06		6.22
1887. ....	43,911	12,728	56,634		20.87		4.41

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$3,068,259
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$290,800
Home value of farm products for one year (1879)†.....	\$960,275

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**HANCOCK COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Hancock County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	221	\$321,143	19,165	....	365	\$379,957	30,106	....	428	\$506,054	33,413	....
Lots .....	110	75,188	.....	292	102	38,334	.....	351	187	89,899	.....	364
Total Real Est.	331	\$396,326	19,165	292	467	\$418,291	30,106	381	615	\$594,953	33,413	364
Chattels .....	222	69,809	.....	239	61,139	.....	.....	.....	265	119,152	.....	.....
Totals .....	553	\$466,135	19,165	292	698	\$479,430	30,106	381	880	\$714,105	33,413	364

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870 ....	172	\$193,143	49	\$128,000	85	\$59,150	25	\$16,038	198	\$80,288	24	\$9,521
1880 ....	337	\$29,351	23	50,606	98	37,550	4	784	199	50,355	30	10,884
1887 ....	405	455,953	23	49,091	136	69,833	51	20,047	210	95,973	53	23,874

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINE-ERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870 .....	184	\$49,494	4	\$959	13	\$7,066	3	\$1,558	15	\$3,614	....	....	....	....	3	\$2,102
1880 .....	190	45,588	3	269	10	9,880	1	200	19	2,965	3	\$1,068	1	\$110	2	1,080
1887 .....	235	96,633	2	539	4	729	....	.....	8	830	5	7,615	4	219	7	12,587

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
....	.....	.....	.....	41	\$11,445	8	67	226	\$62,948	44	399

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
57	\$68,700	5,108	13	46	\$84,437	4,582	35	153	\$399,463	15,698	120

## HANCOCK COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	221	.0946	2.28	110	.0969	1.711	222	.0961	12.31
1880....	366	.0767	3.328	102	.0799	2.245	229	.084	10.62
1887....	428	.071	3.17	187	.0761	2.741	285	.0788	11.51

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole No.	Whole Amounts.
1870.....	504	\$766,839	43,696	188	\$134,806	500	228	\$78,632	930	\$980,277
1880.....	1,215	1,312,358	100,193	229	89,498	855	201	58,654	1,645	1,480,510
1887.....	1,357	1,657,857	106,926	513	255,789	998	253	123,231	2,123	2,036,877

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	498	\$469,772	11	\$298,067	145	\$106,092	43	\$28,714	208	\$67,907	26	\$10,725
1880....	1,122	1,137,814	98	174,544	220	87,708	9	1,790	174	48,214	27	10,440
1887....	1,224	1,497,045	73	160,812	373	198,748	140	57,041	219	98,585	34	24,646

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	33,245	10,451	43,696	485,899	8.99	\$11.84	\$17.55
1880.....	91,820	8,364	100,183		20.62		13.10
1887.....	96,687	6,239	106,926		21.80		15.65

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$17,955,685
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,737,829
Value of farm products for one year (1879+ .....	3,188,615

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**HARDIN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870 1880 and 1887 in Hardin County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES	*1870.				*1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....									47	\$10,877	3,282	.....
Lots.....									10	\$2,042	.....	15
Total Real Est.									57	\$12,419	3,282	15
Chattels.....									75	10,086	.....	.....
Totals.....									132	\$22,505	3,283	15

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870*												
1880*												
1887.....	87	\$7,438	10	\$2,944	9	\$1,842	1	\$300	67	\$5,881	9	\$4,255

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No	Am'ts	No	Am't.	No	Am't	No	Am't.	No	Am't.	No	Am't.	No	Am't.	No	Am't.
1870*																
1880*																
1887.....	67	\$7,551					4	\$1,999	1	\$63					3	\$473

## Totals of Mortgages given to Building and Loan Associations. †

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	2	\$218	80	.....	3	\$336	123	.....

\* The records of 1870 and 1880 destroyed by fire in May, 1884.

† No mortgages of this class recorded.

## HARDIN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887....	47	.0798	1.474	10	.08	1	67	.0807	10.45

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887.....	69	\$15,906	4,838	10	\$2,124	15	68	\$9,497	144	\$27,527

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.			LOTS.			CHATTELS.		
	LOANS.		DEFERRED PAYMENTS.	LOANS.		DEFERRED PAYMENTS.	LOANS.		DEFERRED PAYMENTS.
	No.	Amounts.	No. Amounts	No.	Amounts	No. Amounts	No.	Amounts	No. Amounts
1870 ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887....	54	\$11,888	15 \$4,518	9	\$1,916	1	49	\$5,508	8 \$3,969

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged
	For loans.	For deferred payments.					
1870.....	.....	.....	.....	108,716	.....	\$15 78	.....
1880.....	.....	.....	.....		.....		.....
1887.....	3,516	1,822	4,838		4.45		\$3 29

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$788,807
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$23,121
Home value of farm products for one year (1879)†.....	\$196,012

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**HENDERSON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Henderson County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	127	\$210,817	15,093	.....	112	\$157,107	11,901	.....	96	\$220,920	13,432	.....
Lots .....	31	17,130	.....	72	18	7,229	.....	39	15	5,190	.....	30
Total Real Est	158	\$227,947	15,093	78	130	\$164,336	11,901	39	111	\$226,110	13,432	30
Chattels .....	131	41,486	.....	.....	151	85,676	.....	.....	145	87,112	.....	.....
Totals .....	289	\$269,433	15,093	78	281	\$250,012	11,901	39	256	\$313,222	13,432	30

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	99	\$150,934	28	\$59,579	21	\$9,735	10	\$7,845	129	\$40,886	2	\$500
1880....	97	134,653	15	22,452	15	2,457	3	4,772	142	32,746	9	2,430
1887....	85	196,246	11	25,674	13	4,315	2	875	132	35,233	13	1,879

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't	No.	Am't.	No.	Am't.
1870. ....	102	\$34,074	1	\$500	.....	.....	4	\$1,170	18	\$4,117	4	\$1,462	.....	.....	2	\$163
1880. ....	114	24,923	.....	.....	4	\$2,048	10	3,015	16	3,816	3	1,066	2	\$408	2	375
1887. ....	116	30,175	.....	.....	3	476	14	4,073	6	1,853	.....	.....	5	475	1	60

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
12	\$30,299	1,772	.....	10	\$36,523	1,488	2	43	\$113,916	6,391	9

\* No mortgages of this class recorded.

## HENDERSON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	127	.0988	2.058	31	.10	1.441	181	.0988	12.26
1880....	112	.0795	2.764	18	.0808	1.717	151	.0808	11.66
1887....	96	.0741	2.706	15	.0753	1.067	145	.0614	12.42

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	261	\$454,079	30,986	45	\$25,918	112	134	46,570	440	\$526,567
1880. ....	310	451,505	32,894	31	12,910	67	146	37,466	487	501,881
1887. ....	260	619,959	36,347	16	5,747	32	149	39,542	425	635,249

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	204	\$325,121	57	\$128,958	31	\$14,774	14	\$11,144	132	\$45,885	2	\$375
1880....	269	356,940	41	64,565	26	4,389	5	8,521	137	34,394	9	3,072
1887....	230	548,044	30	71,915	14	4,732	2	965	135	37,525	14	2,017

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	24,842	6,144	30,986	283,845	{	\$37.24	\$14.65
1880. ....	27,784	5,110	32,894				13.73
1887. ....	33,606	2,741	36,347				17.06

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$3,004,495
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$553,738
Home value of farm products for one year (1879)†.....	\$1,326,887

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**HENRY COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Henry County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	330	\$490,904	29,331	.....	376	\$654,968	34,286	.....	310	\$593,534	33,356	.....
Lots .....	198	155,567	.....	430	179	107,259	.....	312	206	127,601	.....	338
Total Real Est	528	\$610,471	29,331	430	555	\$762,217	34,286	312	516	\$721,135	33,356	338
Chattels .....	407	154,712	.....	.....	408	131,628	.....	.....	408	150,994	.....	.....
Totals .....	935	\$771,183	29,331	430	963	\$896,845	34,286	312	924	\$872,129	33,356	338

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	238	\$340,998	67	\$119,911	170	\$181,810	23	\$33,757	344	\$131,143	63	\$23,569
1880.....	354	602,460	22	52,498	183	95,771	11	11,488	377	126,061	30	8,565
1887.....	304	573,566	6	19,908	154	100,965	52	26,616	365	131,654	43	19,340

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	327	\$123,249	8	\$1,045	19	\$7,552	1	\$218	20	\$6,031	11	\$4,269	3	\$564	18	\$3,744
1880.....	815	95,896	9	956	7	9,241	6	3,800	39	15,559	10	3,490	1	279	21	5,405
1887.....	353	126,312	12	1,512	6	8,422	3	906	19	6,751	8	3,170	1	80	6	3,844

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	47	\$22,406	.....	63	232	\$134,436	.....	378

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
40	\$74,086	4,311	5	54	\$126,877	6,459	14	255	\$900,128	30,551	66

## HENRY COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	380	.0987	2.888	198	.0998	2.529	407	.0994	13.54
1880.....	376	.0785	3.634	179	.0797	2.89	408	.0808	12.8
1887.....	310	.0719	4.48	206	.0736	3.063	408	.0796	15.24

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole No.	Whole Amounts.
1870.....	363	\$1,897,444	84,708	501	\$112,963	1,063	459	\$191,923	1,913	\$2,002,390
1880.....	1,345	2,507,570	126,310	519	323,112	904	435	155,134	2,339	2,935,816
1887.....	1,373	2,733,981	147,767	632	406,896	1,037	518	207,010	2,523	3,396,777

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870.....	760	\$1,023,256	193	\$369,188	430	\$349,780	71	\$63,183	399	\$163,751	70	\$39,172
1880.....	1,304	2,306,963	81	200,607	487	238,539	32	34,573	403	145,305	32	9,920
1887.....	1,346	2,631,263	27	92,613	472	321,056	160	81,830	463	180,513	53	26,497

## Percent-ge of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	69,090	15,618	84,708	515,427	16.43	\$44.52	\$16.50
1880.....	120,666	5,644	126,310		24.50		19.85
1887.....	145,871	1,896	147,767		28.66		18.43

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$24,617,893
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$2,897,050
Home value of farm products for one year (1879) † .....	\$3,805,470

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**IROQUOIS COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Iroquois County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands. ....	584	\$738,840	68,291	....	582	\$627,528	51,218	....	572	\$806,971	58,307	....
Lots. ....	102	87,917	.....	185	94	42,454	.....	174	165	74,617	.....	359
Total Real Est.	686	\$776,257	68,91	185	626	\$669,982	51,218	174	737	\$881,588	58,307	359
Chattels. ....	340	134,317	.....	....	348	235,989	.....	....	660	312,068	.....	....
Totals. ....	976	\$910,574	68,291	185	1,474	\$905,921	51,218	174	1,397	\$1,093,650	58,307	359

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	260	\$388,595	274	\$349,745	25	\$8,579	77	\$29,338	288	\$104,027	52	\$20,290
1880....	324	376,629	208	250,899	38	15,504	56	26,950	688	178,132	162	57,807
1887....	432	584,099	140	222,872	35	16,366	130	58,231	576	177,387	84	34,675

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	281	\$100,359	5	\$3,088	9	\$4,844	4	\$3,428	19	13,337	7	\$4,692	3	\$960	12	\$3,671
1880....	694	179,360	5	1,647	11	5,107	2	397	55	16,395	39	18,930	12	3,267	30	10,936
1887....	565	170,186	5	7,887	6	672	....	.....	34	12,135	20	12,918	5	467	25	7,817

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	30	\$18,970	.....	76	128	\$30,623	.....	323

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
154	\$212,654	16,918	17	127	\$195,640	13,824	2	580	\$398,694	63,148	9

# MORTGAGE INDEBTEDNESS.

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## IROQUOIS COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	584	.0666	3.794	102	.0868	2.625	804	.0987	18.04
1880.....	532	.0757	4.068	94	.0787	1.817	848	.0796	13.94
1887.....	572	.0654	4.355	165	.0708	2.827	660	.0792	11.85

### Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	2,026	\$2,935,162	259,096	268	\$108,852	486	369	\$160,368	2,663	\$3,199,377
1880. ....	2,156	2,639,638	207,587	171	80,174	816	990	295,905	3,317	3,015,717
1887. ....	2,491	3,629,279	232,152	466	218,409	1,015	652	225,999	3,609	4,078,637

### Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	966	\$1,544,198	1040	\$1,390,969	66	\$23,471	202	\$80,361	312	\$124,282	57	\$36,081
1880.....	1,313	1,538,738	843	1,055,355	69	29,264	102	50,910	902	233,408	188	72,497
1887.....	1,861	2,627,597	610	1,001,632	98	47,532	368	170,577	569	188,935	83	37,064

### Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improv'd lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	142,568	116,513	259,096	704,019	36.83	.....	\$11.29
1880. ....	127,674	79,913	207,587		28.06	.....	12.23
1887. ....	168,757	68,395	232,152		32.97	.....	15.68

### Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$19,738,596
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$3,810,646
Home value of farm products for one year (1879)† .....	\$3,863,730

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**JACKSON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Jackson County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				18.0.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	*188	\$672,781	16,928	....	+228	\$199,796	18,699	....	260	\$144,287	19,748	....
Lots .....	78	66,296	.....	196	115	51,076	.....	189	186	58,556	.....	241
Total Real Est	246	\$739,027	16,928	196	343	\$250,871	18,699	189	396	\$202,842	19,748	241
Chattels.....	101	85,992	.....	296	296	61,686	.....	.....	380	69,051	.....	.....
Totals.....	347	\$776,019	16,928	196	639	\$312,507	18,699	189	728	\$271,898	19,748	241

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	148	\$637,548	25	\$35,188	53	\$47,964	25	\$18,312	98	\$35,672	8	\$1,320
1880....	183	169,585	45	30,261	75	33,881	40	17,314	244	42,043	42	19,553
1887....	220	106,971	40	33,316	105	48,156	83	15,399	280	49,318	50	19,638

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	62	\$16,757	6	\$1,614	6	\$5,358	8	\$9,987	11	\$2,287	....	....	....	....	8	\$1,089
1880.....	157	34,045	3	413	7	3,554	13	5,935	98	16,613	1	175	6	836	1	73
1887.....	206	39,336	6	546	15	9,495	7	4,562	79	12,765	6	1,567	11	720	1	60

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	10	\$7,606	80	16	30	\$22,818	240	48

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
8	\$9,100	818	2	45	\$44,258	3,664	80	153	\$150,566	12,465	170

\* One mortgage for \$500,000, 10 years, 10 per cent., on mining lands, and lots in Grand Tower, and one mortgage for \$16,500, 7 years, 10 per cent., on 800 acres of land, and other land to secure deferred payments on Chicago property.

† One mortgage for \$75,000, 10 years, 8 per cent., on mining lands and plant.

# MORTGAGE INDEBTEDNESS.

79.

## JACKSON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	168	.0968	2.689	78	.0985	1.781	101	.1009	13.87
1880....	338	.0791	2.542	115	.0738	2.212	246	.08	11.54
1887....	260	.0741	3.142	182	.0778	2.875	330	.0794	14.65

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	450	\$1,012,119	\$45,380	139	\$128,888	349	112	\$45,378	701	\$1,181,895
1880.....	880	407,744	47,155	254	117,457	418	346	80,651	1,180	605,852
1887.....	817	470,147	62,048	397	174,395	673	408	90,969	1,617	738,081

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	368	\$306,647	67	\$208,472	94	\$39,695	45	\$34,198	109	\$43,745	3	\$1,633
1880....	466	346,175	114	61,569	166	77,874	88	39,583	295	55,085	51	25,566
1887....	691	345,088	126	125,059	302	128,899	95	45,996	342	65,148	61	25,841

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	37,984	7,416	45,350	339,777	13.34	\$26.30	\$22.30
1880.....	40,714	6,441	47,155		13.88		8.67
1887.....	51,114	10,984	62,048		18.26		7.58

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$4,930,406
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$521,963
Home value of farm products for one year (1879) †.....	\$1,228,418

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**JASPER COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Jasper County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	31	\$14,036	2,825	....	218	\$101,267	17,991	....	165	\$64,256	12,006	....
Lots.....	2	285	.....	3	28	9,060	.....	29	23	8,432	.....	37
Total Real Est.	33	\$14,321	2,825	3	246	\$110,327	17,991	29	193	72,688	12,006	37
Chattels.....	27	2,972	.....	....	32	16,887	.....	....	114	21,913	.....	....
Totals.....	60	\$17,293	2,825	3	268	\$127,214	17,991	29	307	\$94,601	12,006	37

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	12	\$4,226	19	\$9,800	1	\$150	1	\$85	28	2,900	1	\$72
1880....	95	60,314	118	40,953	7	1,690	16	7,370	29	16,222	3	605
1887....	95	43,268	70	20,988	4	1,575	24	6,857	91	19,736	23	2,277

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	27	\$2,972	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1880.....	25	15,448	....	....	....	....	3	\$1,004	3	\$360	....	....	....	....	1	\$75
1887.....	88	14,494	2	\$625	3	\$1,150	12	3,633	1	145	....	....	4	\$308	4	1,660

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	14	\$3,700	.....	18	49	\$12,950	.....	63

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
45	\$30,206	5,252	1	16	\$7,734	1,597	.....	78	\$37,518	7,747	.....

## JASPER COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	31	.0952	1.782	2	.10	3.553	27	.0995	9.80
1880....	213	.075	3.985	23	.0784	1.433	32	.0794	13.34
1887....	165	.0714	3.895	28	.08	4.413	114	.0753	10.48

Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	55	\$26,184	5,084	7	\$877	11	22	\$2,672	84	\$29,733
1880.....	849	418,682	71,694	33	13,492	42	35	20,259	917	452,433
1887.....	643	259,212	46,763	124	33,696	163	101	20,725	868	318,636

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	21	\$7,856	34	\$13,326	3	\$562	4	\$315	21	\$2,606	1	\$64
1880....	379	249,534	470	169,148	10	2,523	23	10,969	32	19,580	3	729
1887....	370	174,430	273	84,762	18	7,237	106	31,461	81	18,590	20	2,125

Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	1,326	3,206	5,084	810,900	1.62	\$19.31	\$5.20
1880.....	37,408	34,291	71,694		23.06		5.85
1887.....	23,632	17,911	46,763		15.04		5.57

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$4,116,339
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$272,863
Home value of farm products for one year (1889)† .....	\$656,353

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**JEFFERSON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Jefferson County.

## SUMMARIES FROM THE RECORDS.

**Recapitulation of Totals—By Years and Classes.**

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	95	\$38,346	5,268	....	232	\$134,675	17,636	....	240	\$38,374	16,442	....
Lots .....	38	16,073	....	58	43	19,542	....	57	67	24,877	....	102
Total Real Est.	133	\$54,419	5,268	58	275	\$154,217	17,636	57	307	\$123,251	16,442	103
Chattels .....	34	12,335	....	....	190	45,501	....	....	213	32,813	....	....
Totals .....	167	\$66,704	5,238	58	465	\$199,718	17,636	57	520	\$156,064	16,442	103

**Mortgages for Loans and for Deferred Payments of Purchase Money.**

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	57	\$27,622	39	\$10,734	17	\$7,966	21	\$8,107	27	\$9,780	7	\$2,505
1880....	157	107,944	45	26,781	36	10,517	7	9,025	151	19,248	39	26,353
1887....	223	88,363	17	10,012	50	13,232	17	11,595	176	19,364	42	12,832

**Classification of Chattel Mortgages.**

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	25	\$4,948	....	....	2	\$1,097	2	\$725	3	\$435	....	....	1	\$35	1	\$5,000
1880....	115	33,691	10	\$581	3	1,578	7	2,898	49	6,284	....	....	3	335	3	249
1887....	178	25,480	10	683	7	3,449	3	510	10	1,543	2	\$450	7	605	1	50

**Totals of Mortgages given to Building and Loan Associations.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	6	\$4,500	.....	8	60	\$22,500	.....	40

**Totals of Mortgages executed to Non-Residents of the State.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
28	\$14,515	2,485	1	32	\$20,011	2,572	11	115	\$72,320	2,253	40

## JEFFERSON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	95	.0988	1.308	88	.0987	1.078	84	.10	15.86
1880....	232	.0798	2.252	43	.0815	1.1	190	.0788	18.16
1887....	240	.0787	2.826	67	.0764	1.898	218	.0784	10.18

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	114	\$48,897	6,835	41	\$18,182	62	44	\$17,865	199	\$84,444
1880. ....	522	815,818	89,716	47	22,372	68	208	58,892	777	891,877
1887. ....	678	938,666	46,465	127	49,046	194	184	80,948	989	867,754

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	68	\$34,847	46	\$18,550	18	\$9,019	28	\$9,163	85	\$14,221	9	\$3,644
1880....	421	552,881	101	62,432	39	12,086	8	10,836	165	22,796	48	31,066
1887....	680	950,222	48	28,444	95	26,191	32	22,855	148	18,836	36	11,716

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	4,841	1,964	6,825	350,616	1.84	\$22 50	\$7 65
1880. ....	81,945	7,771	89,716		11.38		7 94
1887. ....	41,898	4,572	46,465		13.25		6 21

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$5,058,424
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$811,994
Home value of farm products for one year (1879) †.....	\$1,135,199

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**JERSEY COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Jersey County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	180	\$211,580	18,160	....	196	\$221,998	16,684	....	151	\$344,475	18,254	....
Lots .....	47	76,411	....	100	71	49,906	....	172	84	46,041	....	158
Total Real Est.	227	\$287,929	18,160	100	267	\$271,898	16,684	172	235	\$390,516	18,254	158
Chattels .....	123	35,950	....	....	118	36,729	....	....	191	61,224	....	....
Totals .....	350	\$323,879	18,160	100	385	\$308,627	16,684	172	426	\$351,740	18,254	158

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	134	\$153,656	46	\$57,862	32	\$62,720	15	\$6,691	113	\$32,877	10	\$2,073
1880....	170	179,606	26	42,837	50	34,374	21	15,681	106	31,558	12	4,171
1887....	186	196,530	15	45,945	60	35,605	24	10,486	166	49,094	29	12,120

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870 .....	75	\$20,866	1	\$20	6	\$2,261	5	\$3,637	34	\$7,209	2	\$1,957	....	....	....	....
1880 .....	60	16,873	2	300	4	1,101	1	1,000	45	13,460	4	3,700	2	\$235	....	....
1887 .....	102	40,826	5	727	6	3,686	5	1,890	66	13,231	3	429	4	247	1	\$300

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	12	\$6,600	.....	19	12	\$6,600	.....	19

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
1	\$3,630	120	.....	10	\$38,833	1,670	6	48	\$170,787	7,948	20

NOTE—The foreclosures in this county average about 30 a year.

# MORTGAGE INDEBTEDNESS.

85

## JERSEY COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	180	.0953	2.437	47	.06	3.235	123	.10	10.45
1880.....	196	.079	3.769	71	.0793	2.962	118	.08	11.32
1887.....	151	.0735	3.885	84	.0757	3.274	191	.0799	11.03

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	448	\$351,083	45,164	154	\$158,558	323	107	\$34,439	709	\$744,083
1880.....	789	869,741	62,832	208	152,123	504	116	39,075	1,063	1,060,939
1887.....	587	984,215	70,917	275	156,443	517	239	82,965	1,101	1,223,623

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	334	\$400,641	114	\$150,444	105	\$135,726	49	\$22,882	98	\$31,479	9	\$2,960
1880.....	641	733,621	93	168,120	146	104,509	62	47,614	104	34,620	12	4,455
1887.....	529	709,183	58	185,032	196	124,372	79	32,071	203	66,539	36	16,426

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	36,912	8,252	45,164	231,134	19.54	\$42.53	\$12.20
1880.....	55,481	7,451	62,932		27.16		13.83
1887.....	61,096	9,821	70,917		30.68		13.88

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$7,342,867
Total of existing mortgage indebtedness on lands, live stock and implements.....	1,089,407
Home value of farm products for one year (1879).....	1,655,553

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**JO DAVIESS COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870 1880 and 1887 in JoDavieess County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	335	\$371,463	31,870	.....	235	\$340,156	23,912	.....	240	\$305,448	23,713	.....
Lots.....	160	93,293	.....	318	69	36,146	.....	157	110	93,008	.....	256
Total Real Est.	495	\$464,746	31,870	318	364	\$376,351	23,912	157	350	\$397,456	23,713	256
Chattels.....	114	44,998	.....	.....	169	50,369	.....	.....	194	55,849	.....	.....
Totals.....	609	\$509,741	31,870	318	533	\$426,720	23,912	157	544	\$453,305	23,713	256

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	316	\$333,665	19	\$37,798	150	\$33,661	10	\$9,621	106	\$42,416	8	\$2,580
1880....	289	335,122	6	5,084	64	32,738	5	3,437	145	46,571	21	3,798
1887....	238	253,278	7	22,170	109	91,708	1	300	173	51,085	21	4,814

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	77	\$23,412	4	\$950	10	\$3,576	3	\$1,465	5	\$1,862	.....	.....	1	\$500	14	\$7,841
1880.....	117	32,364	6	1,777	3	2,481	3	510	13	3,048	3	1,478	10	1,080	14	7,633
1887.....	144	33,530	9	3,203	14	10,813	1	834	11	2,756	5	1,108	5	672	5	2,933

## Totals of Mortgages given to Building and Loan Associations. \*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
3	\$4,318	32	.....	3	\$13,600	.....	4	5	\$23,596	.....	7

\* No mortgages of this class recorded.

## JO DAVIESS COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	335	.0937	2.115	180	.0932	1.973	114	.0906	12.9
1880....	305	.0745	2.761	69	.0755	1.804	169	.078	15.98
1887....	240	.0678	3.071	110	.0709	2.471	194	.0755	18.

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	709	\$822,068	67,405	300	\$183,296	596	122	\$52,849	1,131	\$1,067,708
1880.....	814	974,155	74,304	124	67,764	288	225	72,299	1,163	1,114,218
1887.....	737	969,880	72,823	272	235,412	638	305	65,070	1,218	1,270,512

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	669	\$728,209	40	\$53,849	281	\$164,417	19	\$18,879	118	\$49,575	9	\$2,774
1880....	797	959,508	17	14,612	115	61,259	9	6,506	197	66,877	28	5,422
1887....	716	900,002	21	69,823	270	234,659	2	753	186	59,474	23	5,596

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av incumbrance per acre on lands actually mortgaged
	For loans.	For deferred payments.					
1870.....	63,627	3,778	67,405	378,997	17.78	\$42.26	\$12.20
1880.....	73,532	772	74,304		19.66		13.11
1887.....	70,400	2,423	72,823		19.21		13.82

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$11,650,885
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,008,894
Home value of farm products for one year (1879)†.....	\$1,722,339

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**JOHNSON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Johnson County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	65	\$21,477	5,117	...	79	\$19,190	5,552	...	149	\$47,614	12,985	...
Lots.....	5	1,041	.....	7	14	3,586	.....	19	28	10,642	.....	37
Total Real Est	70	\$22,518	5,117	7	93	\$22,776	5,552	19	177	58,256	12,985	37
Chattels.....	13	1,752	.....	77	77	9,578	.....	207	207	28,171	.....	...
Totals.....	83	\$24,270	5,117	7	170	\$32,354	5,552	19	384	\$86,427	12,985	37

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.*	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	58	\$18,634	7	\$2,848	8	\$391	2	\$650	10	\$1,402	8	\$250
1880....	75	17,454	4	1,736	14	3,586	.....	62	62	7,662	15	1,916
1887....	137	40,886	12	7,229	17	6,618	11	4,029	166	22,587	41	5,634

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSE-HOLD GOODS.		MER-CHANDISE AND FIX-TURES.		MACHIN-ERY AND TOOLS.		GROW-ING CROPS.		GAR-NERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCEL-LANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't	No.	Am't.	No.	Am't.
1870....	9	\$725	.....	.....	.....	.....	11	\$3,561	1	\$110	2	\$252	.....	.....	1	\$665
1880....	52	4,083	.....	.....	.....	.....	8	675	1	45	1	45	.....	.....	10	1,214
1887....	1121	11,687	.....	.....	2	\$550	19	9,471	6	311	4	112	.....	.....	55	6,040

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	9	\$3,101	.....	9	9	\$3,101	.....	9

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
7	\$3,154	514	2	7	\$3,002	1,136	1	7	\$5,002	1,136	1

\* Estimated.

† All these mortgages on live stock only.

## JOHNSON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	65	.069	1.358	5	.10	1.	13	.10	11.73
1880....	79	.0781	1.414	14	.0811	2.59	77	.0805	9.87
1887....	149	.0792	2.256	28	.0789	2.741	207	.0799	10.72

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	88	\$30,610	6,949	5	\$1,098	7 12	9	\$1,834	105	\$33,567
1880. ....	112	28,207	7,851	36	9,711	49 63	51	8,510	211	46,438
1887. ....	336	111,671	29,294	77	35,321	101 184	147	27,182	597	169,174

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	78	\$25,570	10	\$4,040	3	\$410	2	\$683	9	\$1,623	3	\$261
1880....	106	25,755	6	2,452	36	9,711	.....	.....	51	6,808	12	1,702
1887....	309	94,696	27	16,995	47	18,898	30	16,433	147	23,105	37	4,077

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	5,922	1,027	6,949	208,788	3.32	\$17.28	\$4.40
1880. ....	7,083	819	7,851		3.76		3.47
1887. ....	26,007	3,267	29,294		14.08		3.81

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$2,043,195
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$122,946
Home value of farm products for one year (1879)†.....	\$479,307

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**KANE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Kane County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	266	\$365,152	18,600	...	232	\$408,379	15,467	...	259	\$482,777	19,158	....
Lots .....	561	514,374	.....	1046	358	261,227	.....	615	1,018	882,198	.....	1461
Total Real Est	827	\$379,526	18,600	1046	590	\$664,606	15,467	615	1,277	\$1,315,975	19,158	1461
Chattels .....	187	84,910	.....	...	247	90,268	.....	...	663	292,557	.....	...
Totals .....	1,014	\$964,426	18,600	1046	837	\$754,874	15,467	615	1,940	\$1,598,530	19,158	1461

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	115	\$173,700	151	\$191,452	259	\$266,104	302	\$248,270	152	\$57,245	35	\$27,665
1880....	115	184,106	117	219,274	198	137,791	165	123,436	180	62,304	67	27,964
1887....	121	227,370	138	265,407	417	382,571	601	450,625	494	300,132	169	92,426

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IM- PLEMENTS.		HOUSE- HOLD GOODS.		MER- CHANDISE AND FIX- TURES.		MACHIN- ERY AND TOOLS.		GROW- ING CROPS.		GAR- NERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCEL- LANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	110	\$36,385	8	\$1,485	4	\$4,588	7	\$4,456	3	\$1,089	1	\$488	6	\$2,132	48	\$4,437
1880.....	132	53,679	20	10,607	9	7,423	11	5,018	4	1,123	2	851	18	3,347	51	8,157
1887.....	364	129,045	110	28,766	20	20,441	85	32,704	2	800	1	375	29	4,432	102	71,004

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	148	\$141,890	2	170	962	\$918,970	13	1,105

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
31	\$59,013	1,721	39	21	\$40,846	202	23	66	\$127,848	622	72

## KANE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	286	.0855	3.572	561	.0983	2.288	187	.0885	14.38
1880....	283	.0712	4.452	358	.0756	3.413	247	.0739	16.13
1887....	289	.0687	5.635	1,018	.0703	3.706	663	.0716	13.59

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	950	\$1,880,083	66,439	1355	\$1,304,871	2,341	231	\$104,967	2,426	\$2,674,941
1880.....	1,033	1,859,773	68,859	1222	925,269	2,099	831	130,396	2,556	2,915,340
1887.....	1,459	2,811,573	107,955	3364	3,373,839	5,632	750	342,901	6,073	6,428,305

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	411	\$347,400	539	\$712,883	579	\$624,132	676	\$590,749	179	\$74,631	42	\$35,356
1880....	512	849,917	531	1,009,858	659	487,617	583	437,652	241	89,905	90	40,391
1887....	681	1,834,351	778	1,487,222	1568	1,502,889	2231	1,771,140	559	242,774	191	100,127

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	31,430	35,009	66,439	320,916	20.70	\$53 17	\$20 47
1880.....	30,834	38,035	68,859		21.46		27 01
1887.....	66,919	51,036	107,955		33.64		36 13

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$18,429,768
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$2,963,186
Home value of farm products for one year (1879) †.....	\$2,770,000

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**KANKAKEE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Kankakee County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				18-0.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	457	\$814,073	49,840	....	270	\$337,172	26,622	....	264	\$440,889	32,324	..
Lots .....	145	124,334	.....	281	107	76,406	.....	251	223	132,741	.....	334
Total Real Est	602	\$938,407	49,890	281	377	\$413,578	26,622	251	487	\$573,630	32,324	334
Chattels.....	259	96,673	.....	285	255	80,101	.....	283	236	96,611	.....	284
Totals.....	861	\$1,037,180	49,890	281	662	\$493,679	26,622	251	723	\$660,241	32,324	334

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	411	\$502,572	46	\$311,501	183	\$112,131	12	\$12,208	257	\$98,555	2	\$118
1880....	237	268,882	38	64,290	86	59,281	21	17,125	277	78,711	8	1,390
1887....	236	360,448	29	60,441	171	96,396	52	39,345	278	82,396	10	4,215

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IM- PLEMENTS.		HOUSE- HOLD GOODS.		MER- CHANDISE AND FIX- TURES.		MACHIN- ERY AND TOOLS.		GROW- ING CROPS.		GAR- NERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCEL- LANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	221	\$68,887	4	\$3,670	9	\$4,639	12	15,651	9	\$3,543	2	\$2,165	2	\$118	....	.....
1880.....	238	65,442	3	466	3	1,051	1	35	10	2,356	6	4,944	2	396	22	\$5,412
1887.....	236	61,650	14	3,321	1	400	....	.....	2	800	....	.....	3	245	42	20,196

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	26	\$19,750	20	89	78	\$59,250	60	117

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
42	\$84,088	4,973	11	50	\$86,307	6,989	28	274	\$472,186	28,237	126

## KANKAKEE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	457	.0952	3.29	145	.0987	2.796	259	.0951	14.19
1880.....	270	.0782	4.56	107	.0774	3.589	235	.0788	15.75
1887.....	264	.071	5.281	223	.0709	3.809	236	.0768	16.36

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	1,504	\$3,805,787	163,480	405	\$364,794	786	305	\$127,781	2,214	\$3,293,362
1880.....	1,281	1,596,088	121,396	365	285,637	908	373	113,414	1,989	1,995,124
1887.....	1,394	2,410,991	170,708	549	523,534	1,463	393	127,155	2,636	3,061,690

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	1,353	\$1,733,977	151	\$1,071,810	371	\$328,248	34	\$35,946	308	\$127,628	2	\$153
1880.....	1,081	1,272,078	150	334,006	309	221,647	76	63,980	362	111,486	11	1,923
1887....	1,241	2,080,685	153	330,306	651	364,455	193	157,049	379	120,925	14	6,280

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	147,997	15,483	163,480	430,344	38.89	\$27 51	\$17 16
1880.....	103,115	18,281	121,396		28.86		13 14
1887.....	152,066	18,637	170,708		40.61		14 12

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$12,299,887
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$2,501,505
Home value of farm products for one year (1879) † .....	\$2,232,860

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**KENDALL COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Kendall County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands. ....	147	\$361,438	15,841	....	80	\$188,118	8,270	....	124	\$279,329	13,804	....
Lots. ....	32	23,192	....	75	14	8,237	....	26	50	21,867	....	91
Total Real Est.	179	\$374,630	15,841	75	94	\$196,370	8,270	26	174	\$301,796	13,804	94
Chattels. ....	115	40,996	....	....	88	31,613	....	....	184	71,537	....	....
Totals. ....	294	\$415,626	15,841	75	177	\$227,983	8,270	26	358	\$373,333	13,804	91

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870. ....	99	\$218,023	48	\$133,415	25	\$18,694	7	\$4,498	115	\$40,996	....	....
1880. ....	48	121,826	32	66,785	8	6,155	6	2,102	79	30,751	4	662
1887. ....	98	217,971	31	61,968	38	16,402	17	5,466	99	41,611	56	30,536

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870. ....	94	\$29,763	....	....	3	\$1,479	3	\$516	10	\$7,168	3	\$1,356	1	\$420	1	\$300
1880. ....	69	23,150	1	945	2	800	3	1,015	4	1,018	3	2,325	....	....	1	60
1887. ....	167	64,165	....	....	....	....	4	3,185	3	1,066	2	1,271	4	485	4	1,373

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
5	\$14,729	478	.....	2	\$4,000	160	.....	11	\$22,000	890	.....

\* No mortgages of this class recorded.

## KENDALL COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	147	.0657	4.218	33	.0691	3.544	115	.0696	12.5
1880....	80	.0719	4.83	14	.08	3.41	83	.0788	15.58
1887....	124	.0688	5.484	50	.0728	3.442	184	.0728	14.96

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870....	630	\$1,553,370	66,817	81	\$61,923	191	119	\$46,953	830	\$1,662,246
1880....	389	980,993	40,836	48	29,232	85	107	44,139	545	1,034,404
1887....	678	1,578,584	75,425	172	77,779	313	239	95,768	1,079	1,752,061

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	418	\$693,696	202	\$590,674	66	\$49,910	18	\$12,013	119	\$46,953	.....	.....
1880....	234	618,390	156	337,608	28	21,815	20	7,467	102	42,988	5	\$1,191
1887....	509	1,229,670	169	348,854	114	58,334	58	19,445	128	54,910	106	40,848

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improvd lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	45,579	21,286	66,817	308,136	22.89	\$53 40	\$23 25-
1880.....	26,913	14,445	41,358		19.87		22 56
1887.....	60,855	15,070	75,425		37.13		20 98-

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$11,540,807
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,666,554
Home value of farm products for one year (1879)† .....	\$1,518,368-

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**KNOX COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Knox County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	359	\$809,402	85,692	....	350	\$585,987	82,314	....	354	\$669,250	88,832	....
Lots.....	253	218,068	....	444	225	146,099	....	445	374	289,846	....	711
Total Real Est.	612	\$827,515	85,692	444	585	\$732,086	82,314	445	728	\$959,096	88,832	711
Chattels.....	421	164,282	....	....	582	184,725	....	....	500	170,091	....	....
Totals.....	1,033	\$991,797	85,692	444	1,167	\$916,791	82,314	445	1,228	\$1,129,187	88,832	711

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	259	\$394,488	100	\$214,964	187	\$161,682	66	\$56,381	408	\$159,106	13	\$5,176
1880....	305	499,107	45	56,880	184	111,728	51	34,371	502	165,011	79	19,714
1887....	298	552,237	56	117,018	217	157,146	157	132,700	433	144,865	67	25,236

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	506	\$97,092	22	\$9,781	21	10,572	9	\$4,392	30	18,668	18	15,140	2	\$523	14	\$3,164
1880.....	420	126,089	35	14,901	28	11,454	15	6,954	28	9,118	16	6,917	31	6,619	9	2,728
1887.....	378	129,346	40	6,953	15	14,058	17	5,992	18	3,060	8	4,115	5	774	24	5,793

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	78	\$47,000	20	93	273	\$164,500	70	326

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
40	\$75,975	3,611	38	40	\$32,518	3,496	24	148	\$306,284	12,363	89

## KNOX COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	359	.0968	2.192	358	.097	2.245	421	.0987	12.43
1880....	350	.0784	3.811	235	.0792	2.585	582	.0798	18.98
1887....	364	.0709	3.816	374	.0764	3.344	500	.0788	11.44

Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	787	\$1,400,242	78,237	568	\$518,294	997	435	\$186,902	1,790	\$2,100,498
1880.....	1,334	2,320,648	123,149	908	389,584	1,141	676	231,443	2,613	2,941,685
1887.....	1,351	2,644,399	148,183	1,251	1,006,370	2,377	476	174,928	3,078	3,825,590

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	568	\$905,957	219	\$494,285	420	\$379,898	148	\$133,456	421	\$180,980	14	\$5,982
1880....	1,163	1,977,201	171	543,457	472	258,082	181	91,552	594	206,679	92	24,764
1887....	1,187	2,181,628	214	462,769	736	545,396	526	460,572	412	149,039	64	28,889

Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	55,738	22,499	78,237	448,484	17 44	\$43 17	\$17 90
1880.....	107,311	15,938	123,149				27 06
1887.....	127,390	20,793	148,183				17 35

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$19,753,617
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$2,777,421
Home value of farm products for one year (1889) † .....	\$2,676,868

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**LAKE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Lake County.

SUMMARIES FROM THE RECORDS.

Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	324	\$383,968	21,917	....	210	\$241,792	15,242	....	245	\$329,486	14,396	....
Lots.....	173	206,791	.....	232	86	66,436	.....	126	172	152,486	.....	269
Total Real Est.	497	\$589,754	21,917	232	296	\$318,227	15,242	126	417	\$481,971	14,396	269
Chattels.....	110	38,006	.....	101	101	26,992	.....	152	152	51,272	.....	....
Totals.....	608	\$627,760	21,917	292	397	\$345,219	15,242	126	569	\$533,243	14,396	269

Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	272	\$307,980	52	\$76,083	140	\$158,787	32	\$47,004	106	\$26,859	4	\$1,147
1880....	199	213,492	11	28,800	71	40,853	15	35,582	100	26,892	1	100
1887....	214	246,951	81	82,535	146	128,680	26	23,865	142	50,410	10	862

Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSE-HOLD GOODS.		MER-CHANDISE AND FIX-TURES.		MACHIN-ERY AND TOOLS.		GROW-ING CROPS.		GAR-NERED CROPS.		PIANOS, ORGANS, SEWING MACHINES		MISCEL-LANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	84	\$26,256	4	\$1,046	5	\$5,007	3	\$1,063	3	\$246	....	....	4	\$1,147	7	\$3,119
1880....	72	14,992	4	277	5	5,687	8	1,741	3	964	2	884	1	100	6	2,357
1887....	112	34,119	5	1,907	6	5,359	8	4,434	....	....	....	....	10	862	11	4,591

Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	4	\$6,300	3	6	13	\$30,475	10	29

Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
11	\$27,343	672	5	8	\$11,800	170	10	28	41,089	603	35

## LAKE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	334	.0684	2.596	173	.0925	1.818	110	.0647	12.99
1880....	210	.0691	3.68	86	.0702	3.858	122	.0694	15.73
1887....	245	.0626	4.042	172	.0641	2.717	152	.0661	13.87

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	841	\$1,040,825	56,897	314	\$390,355	529	118	\$45,035	1,273	\$1,476,215
1880. ....	773	920,537	56,081	289	230,919	420	134	37,882	1,196	1,189,248
1887. ....	990	1,373,467	58,197	467	427,580	731	162	58,629	1,619	1,859,676

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts.
1870....	706	\$324,742	135	\$306,083	254	\$301,354	60	\$39,001	114	\$43,675	4	\$1,360
1880....	733	818,357	40	102,180	289	142,015	50	98,904	133	37,631	1	151
1887....	865	1,080,101	125	343,366	406	360,874	61	66,706	151	57,632	11	997

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	49,101	7,796	56,897	282,765	20.12	\$54.21	\$13.39
1880. ....	50,298	5,793	56,091		19.80		13.41
1887. ....	53,891	5,306	59,197		20.58		23.60

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$13,233,087
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$1,412,475
Home value of farm products for one year (1879) †.....	\$1,730,778

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**LA SALLE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1875, 1880 and 1887 in La Salle County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	*1875.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	†611	\$1,689,890	65,741	.....	423	\$773,899	40,480	.....	460	\$985,954	46,557	.....
Lots .....	‡543	640,878	.....	1991	889	245,548	.....	722	780	489,241	.....	1223
Total Real Est	1,154	\$2,330,568	65,741	1991	812	\$1,018,947	40,480	722	1,230	\$1,475,195	46,557	1923
Chattels .....	596	261,058	.....	1991	548	214,237	.....	.....	543	240,237	.....	.....
Totals .....	1,750	\$2,591,616	65,741	1991	1,360	\$1,233,244	40,480	722	1,763	\$1,715,432	46,557	1223

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELTS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1875 ....	†516	\$1,304,644	95	\$385,246	‡462	\$548,698	81	\$91,975	588	\$240,476	63	\$30,577
1880 ....	379	638,615	44	143,784	811	191,430	78	54,098	492	193,848	56	14,349
1887 ....	415	828,918	43	157,086	499	312,994	261	176,247	459	307,672	84	32,565

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1875 .....	366	\$136,933	27	\$5,865	98	\$1,800	30	\$7,873	19	\$7,600	20	\$3,716	14	\$3,379	27	\$18,887
1880 .....	339	109,014	31	11,346	43	10,872	25	23,256	31	15,165	48	33,734	24	3,901	8	2,509
1887 .....	369	157,116	21	9,838	38	13,405	37	38,868	15	6,028	25	15,918	23	3,640	15	5,424

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
46	18,815	.....	71	189	\$106,498	19	291	722	\$406,809	73	1,111

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
98	\$143,104	5,728	98	111	\$209,817	8,261	73	459	\$353,754	34,126	323

\* Records of 1870 destroyed by fire.

† One mortgage of \$350,000—20 years—8 per cent. on 4,470 acres of land and property in other counties.

‡ One mortgage of \$80,000—10 years—10 per cent. on gas works.

# MORTGAGE INDEBTEDNESS.

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## LA SALLE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1875....	611	.0923	3.904	543	.0969	3.564	596	.0985	12.71
1880....	423	.0776	4.058	389	.0739	2.446	548	.0794	13.49
1887....	460	.0683	4.191	760	.0732	3.225	543	.0775	13.67

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1875.....	2,392	\$5,839,886	243,672	1935	\$2,396,270	7,096	648	\$308,725	4,963	\$3,539,884
1880.....	1,717	3,360,225	164,266	961	632,803	1,766	615	258,952	3,233	4,141,980
1887.....	1,928	4,273,245	195,120	2451	1,635,549	4,167	573	273,311	4,962	6,182,106

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1875....	2,011	\$4,158,000	371	\$1,681,886	1646	\$2,051,203	289	\$345,062	581	\$230,351	67	\$23,877
1880.....	1,538	2,653,923	179	606,402	780	435,786	191	137,017	552	241,602	63	17,850
1887....	1,739	3,598,799	189	679,446	1609	1,046,752	842	598,797	485	236,141	88	37,170

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1875.....	226,242	20,430	243,672	710,289	34.30	\$49.31	\$23.97
1880.....	143,877	20,391	164,268		23.13		19.85
1887.....	175,246	19,874	195,120		27.47		31.90

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$35,273,566
Total of existing mortgage indebtedness on lands, live stock and implements.....	4,451,989
Home value of farm products for one year (1879).....	5,223,503

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**LAWRENCE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870 1880 and 1887 in Lawrence County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	60	\$51,974	5,255	....	98	\$33,696	5,850	....	141	\$77,280	10,268	....
Lots.....	19	11,453	....	83	17	7,477	....	23	76	29,808	....	108
Total Real Est.	79	\$63,427	5,255	88	115	\$41,163	5,850	28	217	\$107,088	10,268	108
Chattels.....	80	10,983	....	60	60	19,343	....	86	86	18,741	....	....
Totals.....	109	\$74,409	5,255	88	175	\$60,506	5,850	28	303	\$125,779	10,268	108

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	17	\$17,807	43	\$34,176	4	\$600	15	\$10,853	19	\$9,299	11	\$1,683
1880....	44	12,931	54	20,755	5	3,825	12	3,653	39	9,329	21	10,014
1887....	86	49,582	56	27,698	16	8,814	60	20,994	45	6,676	41	13,065

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't	No.	Am't	No.	Am't	No.	Am't	No.	Am't	No.	Am't	No.	Am't
1870.....	17	\$2,838	3	\$163	3	\$4,330	3	\$2,330	2	\$119	1	\$1,000	....	....	1	\$200
1880.....	21	2,336	1	101	5	3,544	10	4,991	21	6,181	....	....	....	....	2	2,150
1887.....	43	4,865	1	140	4	1,945	30	10,590	7	970	1	185	....	....	1	66

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	59	22,900	619	66	177	68,700	1 887	196

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
1	\$1,190	.....	1	25	\$23,885	2,877	1	109	\$148,130	12,596	4

## LAWRENCE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	60	.0916	2.355	19	.0999	1.56	30	.0947	12.12
1880....	98	.0766	2.641	17	.0771	2.041	60	.0784	13.88
1887....	141	.0777	3.648	76	.0799	3.802	86	.079	12.35

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	141	\$123,004	12,375	30	\$18,759	51	30	\$12,140	201	\$158,908
1880.....	259	92,372	14,139	35	15,849	57	69	23,980	353	132,151
1887.....	514	292,687	37,458	295	117,857	392	87	20,647	896	431,191

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	101	\$43,952	40	\$94,052	7	\$977	23	\$17,782	19	\$10,253	11	\$1,837
1880....	116	44,561	148	47,811	11	8,115	24	7,734	45	11,558	24	12,372
1887....	310	187,612	204	106,076	67	26,929	228	91,938	46	7,371	43	13,276

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged
	For loans.	For deferred payments.					
1870.....	3,361	8,434	12,375	230,445	5.37	\$31.24	\$10.34
1880.....	5,422	8,707	14,139		6.18		6.53
1887.....	27,769	9,689	37,458		16.25		7.81

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$5,216,690
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$396,040
Home value of farm products for one year (1879)†.....	\$1,004,670

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**LEE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Lee County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	286	\$397,618	31,892	....	304	\$520,822	23,370	....	265	\$510,082	23,287	....
Lots.....	*119	93,065	.....	159	105	120,084	.....	138	151	90,088	.....	176
Total Real Est	405	\$495,708	31,892	159	409	\$640,906	23,370	138	416	\$600,115	23,287	176
Chattels.....	413	160,270	.....	381	381	135,582	.....	427	427	169,268	.....	....
Totals.....	818	\$655,978	31,892	159	790	\$776,488	23,370	138	843	\$769,403	23,287	176

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS				LOTS.				CHATELTS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	188	\$217,211	98	\$180,407	70	\$49,578	49	\$48,512	310	\$122,000	108	\$28,270
1880....	240	373,854	64	141,968	87	91,661	38	28,423	300	105,580	81	20,008
1887....	215	402,825	50	177,207	82	59,648	69	30,435	307	129,088	120	40,200

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINEERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't	No.	Am't.	No.	Am't.
1870. ....	270	\$95,686	5	\$1,415	17	\$9,999	23	12,519	39	14,598	12	\$5,181	3	\$1,015	44	\$18,857
1880. ....	212	70,408	12	5,808	15	5,380	43	16,577	50	17,176	15	5,845	3	357	31	13,081
1887. ....	299	109,352	14	12,940	12	7,777	85	12,281	20	4,799	18	6,984	3	342	25	14,813

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	5	\$1,950	.....	5	5	\$1,950	.....	5

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
29	\$68,360	2,763	4	48	\$105,325	6,042	4	224	\$492,137	23,258	19

\*One mortgage \$10,000, 14 years, 6 per cent. on one lot.

## LEE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	286	.0649	8.955	119	.0686	4.053	413	.0682	14.5
1880....	304	.0756	4.458	105	.0731	3.851	381	.0745	13.76
1887....	285	.0683	4.284	151	.0745	3.108	427	.0769	14.11

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	1,181	\$1,647,198	194,155	482	\$418,143	644	499	\$212,630	2,112	\$2,278,921
1880. ....	1,355	2,409,589	180,981	352	417,109	446	436	167,834	2,143	2,994,532
1887. ....	1,135	2,359,594	121,182	469	290,407	547	536	214,357	2,140	2,764,368

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	743	\$901,018	388	\$746,180	268	\$210,568	199	\$205,575	375	\$161,809	124	\$50,871
1880....	1,070	1,751,771	285	657,818	225	318,254	127	96,855	343	130,743	98	37,091
1887....	921	1,785,079	214	474,515	255	192,540	214	97,867	395	168,554	141	50,308

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. Incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	80,575	43,580	124,155	477,226	26.01	\$41.20	\$13.27
1880. ....	104,632	25,249	130,881		27.44		18.44
1887. ....	101,597	19,565	121,162		25.39		18.65

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$30,046,505.
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$2,397,966
Home value of farm products for one year (1879)†.....	\$3,088,171

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**LIVINGSTON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Livingston County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	784	\$961,597	68,769	....	406	\$555,465	38,102	....	609	\$985,474	55,496	....
Lots .....	117	85,299	....	291	202	51,618	....	274	156	112,898	....	315
Total Real Est	901	\$1,046,896	68,769	291	608	\$607,083	38,102	274	765	1,101,372	55,496	315
Chattels .....	895	111,885	....	....	433	112,850	....	....	268	72,185	....	....
Totals .....	1,296	\$1,158,771	68,769	291	1,041	\$719,433	38,102	274	1,033	\$1,173,557	55,496	315

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870.....	701	\$838,963	88	\$127,624	96	\$71,626	21	\$13,673	886	\$109,915	9	\$1,470
1880.....	887	532,010	19	23,455	177	31,764	25	19,854	430	109,551	13	2,799
1887.....	536	796,389	78	190,185	112	72,598	44	40,830	263	71,725	5	410

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINE-ERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.
1870.....	246	\$55,941	10	\$345	19	11,586	4	\$347	91	31,987	17	\$9,487	2	\$140	6	\$1,142
1880.....	325	74,400	8	867	19	5,443	5	472	30	9,768	32	15,734	8	807	6	4,864
1887.....	188	45,797	10	1,082	10	4,201	8	1,137	22	6,443	7	4,906	10	1,242	13	7,327

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	33	\$27,200	.....	62	121	\$99,715	.....	227

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
132	\$202,354	13,956	16	187	\$219,850	13,085	.....	671	\$1,077,265	64,116	.....

## LIVINGSTON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	784	.0979	4.048	117	.0934	3.164	395	.0977	11.22
1880....	406	.0759	4.251	332	.0788	2.976	483	.0747	12.27
1887....	609	.0701	4.881	156	.0764	4.879	268	.0793	13.44

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	3,170	\$4,077,999	278,033	258	\$193,848	630	370	\$114,819	3,798	\$4,386,166
1880.....	1,736	2,450,889	161,972	601	159,629	815	442	124,040	2,789	2,734,562
1887.....	2,973	4,993,849	270,876	263	513,363	1,379	300	87,184	3,956	5,594,306

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	2,334	\$3,536,846	336	\$541,153	308	\$162,833	45	\$31,015	362	\$112,810	8	\$1,509
1880....	1,645	2,347,955	81	102,938	527	93,172	74	61,457	429	121,062	13	2,977
1887....	2,617	4,085,029	356	968,830	493	330,028	123	133,235	294	86,671	6	528

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	244,795	80,238	278,033	655,312	42.43	\$21.08	\$14.67
1880.....	155,068	6,904	161,972		24.72		15.13
1887.....	232,555	38,321	270,876		41.33		18.07

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$23,672,495
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$5,049,214
Home value of farm products for one year (1879) †.....	\$4,508,524

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**LOGAN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Logan County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	268	\$535,416	34,192	....	207	\$376,047	25,585	....	184	\$424,220	31,181	....
Lots .....	90	79,183	.....	196	96	60,060	.....	296	294	127,082	.....	741
Total Real Est	358	\$614,599	34,192	196	302	\$436,107	25,585	296	478	\$551,308	31,181	741
Chattels.....	281	168,262	.....	427	168,610	.....	644	.....	644	231,827	.....	.....
Totals.....	634	\$782,861	34,192	196	729	\$604,717	25,585	296	1,112	\$783,135	31,181	741

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	218	\$396,808	55	\$139,618	69	\$61,367	21	\$17,816	264	\$135,534	17	\$32,728
1880....	190	345,732	17	30,315	91	54,575	4	5,485	398	156,596	34	13,014
1887....	177	392,943	7	81,277	106	50,402	179	76,686	569	185,421	75	46,406

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSE-HOLD GOODS.		MER-CHANDISE AND FIX-TURES.		MACHIN-ERY AND TOOLS.		GROW-ING CROPS.		GAR-NERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCEL-LANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	196	\$118,116	13	\$3,145	14	27,146	5	\$2,525	41	17,064	7	\$2,869	1	\$215	5	\$2,193
1880.....	277	78,296	13	5,915	19	16,292	17	7,840	50	13,625	28	31,695	7	1,420	16	13,527
1887.....	507	153,928	15	2,440	33	11,073	16	9,109	39	10,039	23	43,363	4	725	8	1,150

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	168	\$70,265	320	419	516	\$222,527	1,013	1,536

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
68	\$153,041	9,525	22	54	\$144,447	6,715	20	231	\$671,534	31,218	93

## LOGAN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	268	.0691	8.054	90	.0784	2.809	261	.0698	12.07
1880.....	207	.0772	8.828	95	.078	2.011	427	.0799	12.55
1887.....	184	.0712	4.998	284	.0787	4.402	644	.08	14.31

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	818	\$1,716,182	104,422	208	\$190,000	452	282	\$186,187	1,808	\$3,092,319
1880.....	792	1,495,078	97,939	191	125,491	594	445	190,490	1,428	1,810,994
1887.....	920	2,195,738	105,868	1,250	581,455	1,941	767	298,571	2,989	3,075,759

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	650	\$1,270,001	168	\$446,181	160	\$147,250	48	\$42,750	265	\$150,036	17	\$36,101
1880.....	727	1,373,972	66	121,101	188	114,671	8	11,490	409	176,909	36	18,521
1887.....	836	2,068,243	35	163,435	462	232,552	798	345,578	678	238,557	89	59,714

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	84,589	19,838	104,422	390,744	26.72	\$20 23	\$16 44
1880.....	98,694	4,245	97,939		25.06		15 27
1887.....	102,879	2,984	105,868		27.09		27 41

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$15,987,366
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$2,898,971
Home value of farm products for one year (1879) † .....	\$2,738,896

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**MACON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Macon County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	*361	\$546,620	34,021	....	269	\$366,268	21,355	....	286	\$453,432	21,374	....
Lots .....	126	103,666	....	261	237	135,787	....	473	596	414,878	....	981
Total Real Est.	487	\$650,286	34,021	261	506	\$502,060	21,355	478	882	\$867,310	24,274	981
Chattels .....	263	104,658	....	....	378	96,794	....	....	675	140,007	....	....
Totals .....	770	\$754,989	34,021	261	884	\$598,844	21,355	478	1,557	\$1,007,317	24,274	981

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	340	\$518,869	21	\$38,261	111	\$96,006	15	\$7,660	256	\$94,685	27	\$9,968
1880....	248	344,120	21	22,143	211	112,064	26	23,723	314	73,835	64	17,909
1887....	262	379,788	24	72,644	438	302,519	153	112,359	636	97,774	90	42,213

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	201	\$53,968	17	\$11897	16	\$12048	6	\$2,578	29	\$11371	8	\$3,574	1	\$200	5	\$997
1880....	243	62,463	22	3,817	19	9,099	16	9,915	35	12,130	4	3,253	30	4,342	9	1,435
1887....	456	91,117	124	7,418	34	17,817	22	8,292	15	3,899	6	2,835	9	736	9	7,908

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
4	\$3,500	.....	6	108	\$67,680	2	119	549	\$360,987	11	685

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
29	\$74,900	2,685	40	49	\$61,834	3,898	10	218	\$374,728	17,297	44

\* One mortgage, \$3,125, 8 years, 7 per cent., 1,000 lbs. fleece wool received annually on account.

## MACON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	361	.0681	3.448	126	.0697	2.224	268	.099	12.59
1880....	369	.0778	3.686	237	.0763	2.884	878	.081	12.08
1887....	266	.0781	3.822	596	.0763	3.376	675	.079	18.92

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole No.	Whole Amounts.
1870. ....	1,245	\$1,977,191	117,804	281	\$243,135	588	296	\$120,668	1,822	\$2,340,994
1880. ....	952	1,403,562	78,718	654	406,942	1,879	879	104,894	2,065	1,914,586
1887. ....	1,098	1,791,592	92,776	2012	1,454,062	3,312	782	175,235	3,887	3,420,989

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	1,178	\$1,374,975	78	\$102,216	247	\$225,148	84	\$17,992	168	\$109,205	28	\$11,468
1880....	915	1,318,408	77	84,154	609	335,727	75	71,215	315	85,489	64	19,405
1887....	1,001	1,504,937	92	286,655	1479	1,061,513	533	392,549	678	119,681	104	55,354

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improvd lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	101,867	6,487	117,804	366,719	31.99	\$38 95	\$16 86
1880. ....	78,647	5,088	78,715		21.46		17 95
1887. ....	84,825	7,950	92,776		25.29		19 31

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$14,909,899
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,905,687
Home value of farm products for one year (1879)† .....	\$2,527,114

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**MACOUPIN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Macoupin County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	211	\$308,345	18,846	....	365	\$477,189	29,139	....	315	\$394,170	24,833	....
Lots.....	118	75,792	....	252	180	101,739	....	278	161	81,464	....	265
Total Real Est.	329	385,137	18,896	253	545	\$578,928	29,139	278	476	\$475,634	24,833	265
Chattels.....	289	92,998	....	....	200	69,535	....	....	373	137,108	....	....
Totals.....	618	\$478,135	18,896	252	745	\$648,413	29,139	278	849	612,742	24,833	265

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	181	\$358,830	30	\$51,035	80	\$58,838	33	\$16,954	285	\$31,938	4	\$1,070
1880....	284	461,961	11	15,178	128	93,848	7	3,391	182	55,447	18	14,088
1887....	304	385,057	11	9,118	133	64,947	28	16,517	335	106,869	37	30,216

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	142	\$31,584	7	\$2,025	23	\$125,632	1	\$1,375	23	\$5,184	2	\$825	....	....	91	\$39,433
1880.....	67	18,140	5	1,872	11	3,936	24	17,995	37	9,278	3	1,008	3	1,140	50	16,666
1887.....	191	43,101	7	2,407	20	11,609	48	32,858	29	4,360	1	471	1	240	75	43,092

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	31	\$18,489	65	33	81	\$48,071	169	96

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
39	\$69,342	3,489	10	36	\$54,583	3,106	16	109	\$123,925	9,405	49

## MACOUPIN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	211	.0866	2.926	118	.0889	1.364	289	.0993	18
1880....	386	.079	2.765	180	.0787	2.323	200	.0797	11.78
1887....	315	.0737	3.064	161	.0737	2.984	372	.0791	18.09

## Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	617	\$949,766	55,287	154	\$108,492	344	812	\$110,754	1,083	\$1,169,012
1880.....	1,092	1,371,401	80,569	302	245,640	646	196	73,706	1,590	1,690,747
1887.....	976	1,264,508	76,833	472	247,823	839	406	161,397	1,853	1,673,723

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	529	\$792,053	88	\$157,711	109	\$84,180	45	\$24,302	306	\$109,481	4	\$1,273
1880....	1,032	1,327,516	30	43,885	296	237,534	16	8,106	178	58,838	18	14,868
1887....	941	1,235,419	34	29,064	391	197,515	81	50,308	366	135,890	40	25,507

## Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	48,311	6,976	55,287	536,837	10.29	\$36.85	\$17.18
1880.....	78,246	2,323	80,569		15.01		17.02
1887.....	75,923	910	76,833		14.31		16.45

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$18,116,815
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$1,314,053
Home value of farm products for one year (1879) † .....	\$3,610,616

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**MADISON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Madison County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	365	\$611,847	29,069	....	400	\$675,512	28,080	....	363	\$597,954	30,017	....
Lots .....	180	109,720	.....	247	200	107,253	.....	468	335	318,861	.....	669
Total Real Est.	495	\$721,067	29,069	247	600	\$782,765	28,080	468	698	\$916,835	30,017	669
Chattels .....	296	137,116	.....	.....	254	75,987	.....	.....	485	148,871	.....	.....
Totals .....	791	\$858,183	29,069	247	854	\$858,752	28,080	468	1,183	\$1,065,706	30,017	669

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	209	\$398,177	156	\$218,170	64	\$69,608	66	\$40,117	203	\$59,549	98	\$47,522
1880....	211	398,495	189	277,017	96	57,860	104	49,893	176	52,878	78	23,109
1887....	219	437,296	144	160,658	112	176,077	223	142,804	349	108,408	136	45,463

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	176	\$62,722	9	\$6,354	14	\$15,085	25	\$25,404	42	11,125	5	\$3,848	2	\$602	23	\$12,026
1880....	117	20,845	13	2,319	17	16,701	37	14,508	44	11,940	4	1,427	8	1,837	14	6,915
1887....	292	57,729	22	4,264	19	9,339	39	23,162	44	11,089	3	683	8	702	58	41,913

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	95	\$73,583	.....	139	243	\$188,078	.....	355

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
14	\$35,818	2,608	2	81	\$54,451	2,183	17	83	144,949	5,811	45

## MADISON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	365	.0682	2.071	130	.0692	1.943	296	.0682	14.74
1880....	400	.0773	3.104	200	.0781	2.183	254	.0783	14.49
1887....	368	.0701	2.818	335	.0701	3.256	485	.0759	13.85

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	756	\$1,328,264	60,202	252	\$228,760	440	363	\$184,958	1,371	\$1,736,982
1880. ....	1,242	2,177,830	87,160	437	243,276	1,022	906	98,935	1,985	2,520,041
1887. ....	1,023	1,744,094	84,588	1091	1,074,668	2,176	560	184,864	2,674	3,063,636

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870. ....	433	\$466,029	323	\$462,235	134	\$142,066	128	\$81,694	249	\$125,457	114	\$59,501
1880. ....	656	1,354,920	587	892,910	210	131,126	227	112,150	220	98,859	86	30,076
1887. ....	617	1,274,933	406	469,161	365	593,241	726	481,427	403	128,430	157	56,384

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improvd lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	39,929	20,273	60,202	447,664	13.02	\$49 80	\$22 07
1880. ....	43,974	43,186	87,160		19.47		24 99
1887. ....	57,470	27,118	84,588		18.89		20 74

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$20,077,865
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,815,783
Home value of farm products for one year (1879)†.....	\$4,247,099

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**MARION COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Marion County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	143	\$128,575	11,006	....	269	\$202,801	22,978	....	171	\$94,771	11,477	....
Lots .....	107	57,668	.....	167	123	54,988	.....	289	158	85,706	.....	296
Total Real Est	250	\$186,243	11,006	167	392	\$257,889	22,978	289	329	\$180,477	11,477	296
Chattels .....	98	31,320	.....	....	158	55,917	.....	....	271	66,192	.....	....
Totals .....	348	\$217,563	11,006	167	545	\$313,706	22,978	289	600	\$246,669	11,477	296

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	74	\$47,774	69	\$80,801	71	\$23,090	36	\$29,578	127	\$23,573	16	\$7,747
1880....	198	120,742	71	82,059	79	35,189	44	19,799	94	27,623	59	28,294
1887....	188	78,580	83	16,191	68	33,053	95	52,643	166	33,120	106	33,073

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	70	\$17,065	6	\$6,235	4	\$887	....	....	7	\$3,584	2	\$1,621	1	\$100	3	\$1,865
1880.....	122	33,744	1	1,000	6	1,426	8	6,711	13	5,955	1	7,000	2	81	....	....
1887.....	241	53,813	8	594	4	4,628	8	4,600	1	100	....	....	13	1,711	2	746

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
24	\$11,250	53	29	79	\$31,275	378	107	442	\$175,140	2,117	599

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
22	\$39,925	2,869	5	9	\$3,940	630	35	18	\$18,336	1,292	72

## MARION COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	143	.0898	1.718	107	.0949	1.475	98	.0914	9.36
1880....	269	.0756	2.935	123	.0772	3.405	153	.0785	15.37
1887....	171	.0779	3.868	158	.0775	3.976	271	.08	15.37

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	246	\$230,755	18,907	158	\$89,096	246	72	\$23,663	476	\$343,514
1880. ....	806	630,848	68,804	419	194,461	814	195	77,246	1,420	902,055
1887. ....	490	352,390	32,916	628	353,972	1,165	347	91,568	1,465	727,922

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	127	\$85,841	119	\$144,914	105	\$43,390	53	\$45,706	60	\$20,078	13	\$6,585
1880....	593	373,057	218	255,291	269	124,455	150	70,006	119	38,160	76	39,086
1887....	395	234,101	95	48,389	250	136,634	378	217,388	213	45,781	184	45,782

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	8,138	10,779	18,907	346,840	5.45		\$12 20
1880. ....	48,812	20,492	68,804		11.20	\$23 91	16 25
1887. ....	27,427	5,489	32,916		8.27		9 84

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$6,478,429
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$356,823
Home value of farm products for one year (1879) †.....	\$1,180,911

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**MARSHALL COUNTY**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Marshall County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	164	\$251,385	14,276	....	148	\$249,806	14,684	....	129	\$265,121	14,436	....
Lots* .....	83	94,153	.....	125	46	27,470	.....	107	53	30,830	.....	81
Total Real Est.	247	\$345,538	14,276	125	194	\$277,076	14,684	107	182	\$295,951	14,436	81
Chattels .....	195	76,145	.....	128	128	47,189	.....	145	145	49,013	.....	.....
Totals .....	442	\$421,684	14,276	125	322	\$324,215	14,684	107	327	\$344,964	14,436	81

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	98	\$122,842	66	\$124,548	44	\$30,785	39	\$63,968	33	\$5,723	162	\$70,423
1880....	73	91,430	73	158,176	19	17,188	27	10,332	18	2,397	110	44,844
1887....	63	104,786	66	180,335	17	5,512	36	25,318	32	3,790	113	45,223

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870 .....	162	\$53,323	3	\$4,100	6	\$9,794	2	\$577	11	\$3,001	.....	.....	1	\$180	10	\$5,191
1880 .....	85	82,847	8	765	6	6,405	4	726	16	4,739	2	\$528	4	773	5	866
1887 .....	129	41,630	.....	.....	8	822	..	.....	4	1,859	.....	.....	2	110	7	5,092

## †Totals of Mortgages given to Building and Loan Associations.

†1880.				†1887.				†TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
6	\$11,605	658	1	6	\$27,500	1,430	.....	30	\$136,630	7,065	.....

\* One mortgage of \$13,000—1 year—7 per cent. on mill property.

† No mortgages of this class recorded.

## MARSHALL COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	164	.0957	2.732	88	.094	1.417	195	.098	17.29
1880.....	148	.0779	3.189	46	.0779	1.948	128	.0799	15.51
1887.....	129	.07	3.692	53	.0762	1.909	145	.0749	14.23

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	458	\$735,451	39,759	118	\$139,685	177	230	\$120,475	856	\$995,611
1880.....	472	836,999	46,827	90	55,596	206	164	65,791	726	948,895
1887.....	476	1,013,065	53,298	101	60,989	155	171	62,468	748	1,136,542

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	274	\$359,636	184	\$375,815	63	\$47,254	55	\$32,331	47	\$9,036	233	\$111,439
1880....	239	302,681	233	534,817	87	34,692	53	30,904	22	3,224	142	62,567
1887....	232	400,166	244	612,917	82	10,917	69	50,072	37	4,810	134	57,653

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged
	For loans.	For deferred payments.					
1870.....	26,011	13,748	39,759	246,926	16.10	\$43 77	\$10 95
1880.....	24,896	21,931	46,827		10.96		17 73
1887.....	26,218	26,080	53,298		21.68		19 01

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$10,605,893
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,066,146
Home value of farm products for one year (1879)†.....	\$1,755,154

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**MASON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Mason County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	240	\$390,412	30,416	....	133	\$193,203	15,642	....	133	\$216,581	18,698	....
Lots .....	81	69,990	.....	169	55	22,779	.....	118	100	48,489	.....	304
Total Real Est	321	\$450,402	30,416	169	188	\$215,982	15,642	118	233	\$265,050	18,698	304
Chattels .....	239	133,850	.....	345	345	58,424	.....	.....	361	125,849	.....	.....
Totals .....	610	\$589,252	30,416	169	533	\$304,406	15,642	118	599	\$390,899	18,698	304

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870.....	25	\$339,936	35	\$50,496	73	\$64,715	3	\$5,275	283	\$134,860	6	\$4,490
1880.....	114	155,055	19	89,148	47	18,481	8	4,393	321	80,364	34	8,060
1887.....	110	173,895	23	43,186	40	13,819	60	34,650	386	104,194	25	21,655

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINE-ERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	224	\$105,487	4	\$3,520	4	\$3,855	6	\$1,890	35	18,490	3	\$970	2	\$1,235	11	\$4,463
1880.....	249	56,774	2	182	12	6,285	25	7,714	41	10,731	2	894	2	250	12	6,094
1887.....	265	68,352	1	75	10	9,759	39	27,627	27	8,621	1	5,000	4	401	14	5,814

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	70	\$35,300	108	108	303	\$152,955	463	459

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
12	\$32,900	3,012	10	55	\$121,746	8,770	1	246	\$544,836	89,211	4

## MASON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	240	.0998	2.277	81	.0994	1.382	289	.0992	14.08
1880....	138	.0798	8.214	55	.0781	2.191	345	.0801	14.79
1887....	188	.0702	4.027	100	.0795	4.64	381	.0787	15.74

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	546	\$909,205	69,257	110	\$100,064	280	387	\$178,445	998	\$1,187,714
1880.....	427	645,730	50,273	121	51,868	269	421	117,718	972	815,306
1887.....	556	902,785	75,297	465	234,289	948	472	178,073	1,493	1,815,147

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	466	\$788,251	80	\$120,924	106	\$92,560	4	\$7,504	380	\$172,681	7	\$5,764
1880....	366	518,521	61	127,209	108	42,057	18	9,801	398	107,006	81	10,712
1887....	448	723,131	113	179,634	186	66,772	279	167,517	489	147,348	33	30,725

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	63,827	6,430	69,257	347,738	19.91	\$34.49	\$13.42
1880.....	42,752	7,521	50,273		14.45		12.84
1887.....	65,471	9,826	75,297		21.65		11.99

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$3,941,702
Total of existing mortgage indebtedness on lands, live stock and implements.....	999,496
Home value of farm products for one year (1879)†.....	1,604,871

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**MASSAC COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Massac County.

SUMMARIES FROM THE RECORDS.

**Recapitulation of Totals—By Years and Classes.**

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	37	\$14,405	2,727	....	102	\$56,973	9,567	....	111	\$39,088	8,056	....
Lots.....	34	\$48,047	....	78	36	20,538	....	96	60	34,944	....	164
Total Real Est.	71	\$62,482	2,727	78	138	\$77,526	9,567	96	171	\$74,032	8,056	164
Chattels.....	15	\$36,273	....	42	42	5,164	....	....	94	12,806	....	....
Totals.....	86	\$97,755	2,727	78	180	\$82,690	9,567	96	265	\$86,838	8,056	164

**Mortgages for Loans and for Deferred Payments of Purchase Money.**

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	85	\$13,405	2	\$1,000	30	\$46,153	4	\$1,924	15	\$35,273	....	....
1880....	79	\$6,580	23	\$20,413	29	18,648	7	1,910	37	8,622	5	1,542
1887....	93	\$1,735	18	7,353	51	29,675	9	5,369	86	11,518	8	1,266

**Classification of Chattel Mortgages.**

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	7	\$1,591	....	....	1	\$200	3	\$2,664	2	\$318	1	\$100	....	....	1	\$80,400
1880.....	31	4,054	2	\$50	....	....	....	5	318	....	....	....	....	....	4	742
1887.....	68	6,744	3	530	3	447	8	3,230	11	1,730	1	125	....	....	....	....

**Totals of Mortgages given to Building and Loan Associations.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	3	750	.....	3	3	750	.....	3

**Totals of Mortgages executed to Non-Residents of the State.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
1	\$4,000	133	.....	5	\$2,382	339	.....	18	\$6,207	833	.....

\* \$30,400 on saw mill plant. † \$30,400 on personal property attached to saw mill plant.

## MASSAC COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	37	.0944	1.828	34	.0963	1.242	15	.0648	12.07
1880....	102	.0729	1.725	36	.0687	1.176	42	.0757	11.69
1887....	111	.0778	1.735	60	.0664	1.858	94	.076	12.01

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	68	\$37,499	4,971	42	\$23,011	97	14	\$37,778	124	\$98,288
1880.....	176	101,860	16,503	43	25,000	113	41	5,408	259	132,268
1887.....	108	70,489	18,977	111	67,081	266	94	13,789	398	151,309

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	64	\$25,575	4	\$1,924	37	\$20,503	5	\$3,508	14	\$37,778	.....	.....
1880....	136	68,894	40	36,466	84	22,675	8	2,325	86	8,791	5	1,517
1887....	162	57,198	81	13,243	94	56,952	17	10,129	86	12,396	8	1,398

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the country.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	4,424	547	4,971	145,174	3.42	\$26 78	\$5 52
1880.....	12,439	4,064	16,503		11.36		6 11
1887.....	11,447	2,530	13,977		9.68		5 04

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock † .....	\$ 1,778,599
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$77,702
Home value of farm products for one year (1879) † .....	\$455,132

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**Mc DONOUGH COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in McDonough County.

## SUMMARIES FROM THE RECORDS.

**Recapitulation of Totals—By Years and Classes.**

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	201	\$286,465	16,789	....	269	\$388,666	21,122	....	288	\$350,502	22,825	....
Lots .....	79	49,268	.....	187	106	58,904	.....	272	159	66,820	.....	375
Total Real Est.	280	\$385,728	16,789	187	375	\$392,570	21,122	272	447	\$417,322	22,825	375
Chattels .....	190	58,840	.....	228	81,808	.....	....	....	335	108,898	.....	....
Totals .....	470	\$394,568	16,789	187	608	\$474,378	21,122	272	782	\$526,148	22,825	375

**Mortgages for Loans and for Deferred Payments of Purchase Money.**

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	176	\$223,810	25	\$68,155	70	\$48,586	9	\$5,727	186	\$57,700	4	\$1,140
1880....	252	318,126	17	20,540	98	50,542	8	8,362	218	74,012	15	7,796
1887....	270	888,579	18	16,928	112	45,277	47	21,548	289	98,428	46	15,403

**Classification of Chattel Mortgages.**

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	146	\$47,685	1	87	11	\$4,397	4	\$519	8	\$1,822	4	\$1,705	2	\$490	14	\$2,135
1880....	190	62,234	4	425	4	889	6	18,270	10	1,639	4	1,432	5	162	5	1,757
1887....	278	93,807	17	2,485	15	4,049	4	660	8	4,610	1	63	5	863	7	2,290

**Totals of Mortgages given to Building and Loan Associations.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	41	\$18,010	161	58	246	\$108,060	966	348

**Totals of Mortgages executed to Non-Residents of the State.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	2,451	10	8	\$5,179	553	9	43	\$27,609	2,948	48

## MC.DONOUGH COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	201	.0956	2.158	79	.0961	1.948	190	.0987	11.76
1880....	269	.0794	3.45	106	.0814	2.245	228	.0808	8.89
1887....	298	.0744	3.881	159	.0784	3.165	335	.079	13.06

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	484	\$847,740	36,123	138	\$90,836	327	186	\$63,350	768	\$901,426
1880. ....	928	1,214,788	72,871	238	125,989	611	169	65,469	1,335	1,406,191
1887. ....	1,108	1,392,724	87,443	508	219,775	1,187	836	117,904	1,942	1,730,408

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870. ....	380	\$505,150	54	\$142,590	122	\$79,852	16	\$10,484	182	\$62,088	4	\$1,267
1880. ....	869	1,140,682	59	74,101	220	118,181	18	7,808	158	59,249	11	6,220
1887. ....	1,084	1,825,873	69	66,851	354	149,048	149	70,767	290	101,162	46	16,742

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	30,754	5,369	36,123	364,269	9.94	\$39 17	\$17 98
1880. ....	67,959	4,882	72,871		20.		16 67
1887. ....	84,819	2,624	87,443		24.		15 98

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$13,760,315
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,491,880
Home value of farm products for one year (1879)†.....	\$2,572,080

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**MC HENRY COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in McHenry County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	35	\$429,489	37,181	....	*290	\$486,921	27,762	....	†280	\$468,000	27,688	....
Lots.....	104	66,422	.....	175	94	49,597	.....	192	128	79,119	.....	202
Total Real Est.	456	\$496,911	37,181	175	384	\$536,518	27,762	192	388	\$547,119	27,688	202
Chattels.....	233	79,830	.....	276	276	90,666	.....	376	376	130,016	.....	...
Totals.....	709	\$575,741	37,181	175	660	\$627,183	27,762	192	764	\$667,135	27,688	202

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	301	\$363,499	51	\$65,990	95	\$61,873	9	\$4,549	251	\$79,436	2	\$394
1880....	255	433,388	35	53,532	82	44,112	12	5,435	245	80,826	31	9,859
1887....	236	371,117	34	96,888	109	64,163	19	10,956	349	108,156	37	11,890

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINE-ERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	190	\$53,056	5	\$2,604	10	\$6,214	1	\$400	19	\$5,436	10	\$6,181	2	\$394	7	\$5,545
1880.....	213	61,015	3	4,665	12	4,196	5	4,440	18	7,462	11	6,346	11	1,691	3	810
1887.....	341	108,878	5	1,302	10	6,651	1	400	5	2,530	4	1,894	6	861	4	2,500

## Totals of Mortgages given to Building and Loan Associations.

†1880.				†1887.				†TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
26	\$37,525	2,061	11	12	\$29,406	1,232	2	49	\$121,002	5,070	8

\* One mortgage, \$30,000, 18 years, 7½ per cent. on 827 acres of land; and one for \$20,000, 1½ years, 7½ per cent. on 860 acres.

† One mortgage, \$25,000, 2½ years, 8 per cent. Five mortgages, \$18,000, at 5 per cent.

‡ No mortgages of this class recorded.

## MC HENRY COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mort. gages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	352	.0682	3.407	104	.0981	1.751	253	.096	15.66
1880.....	290	.0742	4.718	94	.0735	2.858	276	.0776	16.41
1887.....	260	.0693	4.107	128	.1723	2.808	876	.0769	15.3

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	1,199	\$1,531,457	126,505	182	\$122,010	906	829	\$114,188	1,710	\$1,767,655
1880.....	1,368	2,382,523	130,941	268	146,721	548	877	133,599	2,018	2,662,843
1887.....	1,068	1,968,676	113,694	359	230,197	567	479	164,782	1,906	2,383,656

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	1,025	\$1,295,613	174	\$235,844	166	\$113,591	16	\$8,419	826	\$113,612	8	\$576
1880....	1,208	2,110,915	165	271,608	243	130,485	25	16,286	842	119,087	35	14,582
1887....	928	1,577,020	140	411,656	306	198,432	53	31,765	432	148,469	47	16,813

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	109,875	16,630	126,505	388,388	32.99	\$43.70	\$12.11
1880.....	117,970	13,011	130,981		34.16		18.19
1887.....	94,913	18,781	113,694		29.65		17.49

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock† .....	\$15,818,810
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$2,131,814
Home value of farm products for one year (1879) † .....	\$2,665,791

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**MC LEAN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in McLean County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	800	\$1,368,292	95,719	....	505	\$716,056	52,648	....	408	\$762,091	40,768	....
Lots* .....	508	523,838	.....	864	373	257,046	.....	683	641	566,520	.....	982
Total Real Est	1,808	\$1,898,130	95,719	864	178	\$973,102	52,648	633	1,044	\$1,328,611	40,768	983
Chattels .....	502	215,082	.....	.....	656	160,445	.....	.....	706	213,449	.....	.....
Totals .....	1,810	\$2,108,162	95,719	864	1,534	\$1,133,547	52,648	683	1,752	\$1,542,060	40,768	982

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870 ....	713	\$1,180,385	87	\$188,807	413	\$445,018	85	\$78,820	459	\$196,223	43	\$18,809
1880 ....	451	635,680	54	80,376	325	226,247	48	30,799	590	146,975	66	13,470
1887 ....	374	716,850	29	45,241	382	412,521	259	153,999	571	170,945	167	42,504

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870 .....	390	\$144,451	15	\$7,499	25	13,685	5	\$2,045	36	15,435	10	14,069	5	\$3,525	12	\$9,333
1880 .....	508	111,915	25	4,461	10	5,969	17	7,751	51	18,540	12	4,212	20	2,329	14	7,368
1887 .....	501	138,349	36	5,906	49	22,077	24	18,359	29	10,163	14	8,352	43	5,881	12	4,362

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	155	\$95,915	.....	196	581	\$359,661	.....	735

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
78	\$178,202	8,532	77	71	\$195,489	7,873	30	310	\$352,919	24,360	131

\* One mortgage, \$25,000, 18 years, 10 per cent. on 10-acre lot.

## MC LEAN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	800	.0688	3.89	508	.0979	3.668	502	.0971	12.79
1880....	506	.0789	4.329	373	.0774	2.896	656	.0797	12.69
1887....	408	.0688	3.879	641	.0698	3.551	708	.0791	12.89

Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	2,712	\$4,870,049	824,487	1,861	\$2,012,744	3,165	585	\$261,488	5,108	\$7,134,281
1880.....	1,782	2,694,124	185,795	1,080	773,218	1,833	637	181,744	3,549	3,579,061
1887.....	1,563	3,067,547	158,120	2,276	2,081,921	3,487	760	247,410	4,599	5,886,878

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	2,417	\$4,197,978	295	\$672,076	1550	\$1,710,028	311	\$802,716	489	\$229,437	46	\$22,001
1880....	1,591	2,830,222	191	293,902	941	690,427	189	92,786	618	166,477	69	15,267
1887....	1,451	2,877,152	112	180,395	1356	1,515,639	920	566,232	613	198,175	147	49,235

Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	298,859	30,628	324,487	739,138	43.90	\$38 21	\$15 01
1880.....	167,795	17,010	185,795		25.13		14 12
1887.....	151,156	6,964	158,120		21.39		19 34

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock + .....	\$29,945,302
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$3,217,911
Home value of farm products for one year (1879)† .....	\$5,237,788

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**MENARD COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Menard County.

SUMMARIES FROM THE RECORDS.

**Recapitulation of Totals—By Years and Classes.**

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	79	\$184,891	8,857	...	145	\$181,506	11,118	...	150	\$246,807	12,923	...
Lots.....	32	27,946	...	90	77	40,029	...	210	92	75,813	...	307
Total Real Est.	111	\$212,837	8,857	90	222	\$221,537	11,118	210	242	\$322,120	12,923	307
Chattels.....	71	28,089	...	167	52,321	...	...	...	224	77,786	...	...
Totals.....	182	\$240,876	8,857	90	389	\$273,858	11,118	210	466	\$399,856	12,923	307

**Mortgages for Loans and for Deferred Payments of Purchase Money.**

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	60	\$112,205	19	\$72,686	26	\$25,925	4	\$2,021	65	\$27,226	3	\$613
1880....	131	164,301	14	17,207	71	36,029	6	2,000	137	36,461	30	15,860
1887....	118	209,801	32	37,006	53	52,946	39	22,367	164	41,354	60	26,482

**Classification of Chattel Mortgages.**

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	53	\$23,144	1	\$136	5	\$748	2	\$1,000	9	\$2,976	...	...	...	...	1	\$35
1880....	123	40,926	2	10	3	778	3	2,137	27	6,535	2	\$235	2	\$160	5	1,160
1887....	176	56,538	4	1,902	5	1,116	7	1,770	18	6,906	7	7,035	2	103	7	2,375

**Totals of Mortgages given to Building and Loan Associations.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	36	\$22,542	108	64	216	\$135,252	643	384

**Totals of Mortgages executed to Non-Residents of the State.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
6	\$11,700	736	24	9	\$41,450	2,197	.....	32	\$145,904	7,733	.....

## MENARD COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	79	.0966	2.188	32	.0906	1.785	71	.0994	12.1
1880....	145	.0778	3.486	77	.08	2.505	157	.0796	11.34
1887....	150	.0727	3.868	92	.0709	2.666	224	.0799	10.3

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870....	171	\$420,204	19,192	56	\$51,557	159	71	\$31,089	\$298	\$502,850
1880....	505	657,850	88,757	198	104,284	526	156	52,907	854	814,541
1887....	580	989,350	49,986	245	207,902	552	192	72,054	1,017	1,269,906

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	130	\$255,064	41	\$165,140	49	\$47,828	7	\$3,729	68	\$30,157	8	\$982
1880....	456	594,903	49	62,448	178	99,070	15	5,214	128	36,876	28	16,081
1887....	456	840,948	124	148,402	141	146,156	104	61,746	140	33,261	62	33,793

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improvd lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	13,436	5,756	19,192	198,959	9.65	\$39 06	\$21 89
1880.....	35,867	2,890	38,757		19.48		16 96
1887.....	39,399	10,597	49,996		25.12		19 79

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$7,275,229
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,041,761
Home value of farm products for one year (1879)†.....	\$93,681

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**MERCER COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Mercer County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	177	\$225,870	17,004	....	196	\$301,182	19,681	....	199	\$326,474	20,665	....
Lots .....	57	82,560	....	159	43	19,502	....	366	80	45,670	....	356
Total Real Est	234	\$268,430	17,004	159	239	\$320,684	19,681	366	279	\$372,144	20,665	356
Chattels .....	189	62,638	....	257	88,798	....	265	86,409	....	....	....	....
Totals .....	423	\$321,068	17,004	159	496	\$409,480	19,681	366	544	\$458,643	20,665	256

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	138	\$177,577	39	\$48,238	45	\$26,788	12	\$5,772	186	\$61,588	3	\$1,060
1880....	180	278,820	16	27,662	33	15,876	10	3,626	236	82,996	21	5,800
1887....	163	236,941	36	89,538	59	34,441	21	11,229	247	81,848	18	5,151

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Amt's.	No.	Amt.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.
1870.....	140	\$41,433	....	....	23	15,136	....	....	20	\$5,089	4	\$775	1	\$55	1	\$150
1880.....	192	62,306	3	\$288	4	1,572	10	\$8,961	36	11,774	8	3,573	4	855	....	....
1887.....	212	74,046	13	1,487	12	8,193	1	825	20	6,944	....	....	4	229	3	325

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
....	....	....	....	....	....	....	....	....	....	....	....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
7	\$11,924	560	5	14	\$15,590	1,562	5	64	\$70,857	7,236	23

\* No mortgages of this class recorded.

## MERCER COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	177	.0952	2.311	57	.0982	1.811	189	.0989	12.71
1880....	196	.0794	2.716	43	.0797	1.704	257	.08	13.88
1887....	199	.0739	3.255	80	.0786	1.707	285	.08	10.99

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	409	\$546,881	39,296	75	\$44,782	208	200	\$72,908	684	\$664,521
1880. ....	532	850,485	53,454	73	34,555	624	286	106,983	881	991,978
1887. ....	648	1,101,989	67,265	137	81,023	437	241	85,568	1,026	1,268,515

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870. ....	398	\$429,810	21	\$117,021	59	\$36,722	16	\$3,080	197	\$71,689	3	\$1,289
1880. ....	489	771,390	43	79,095	56	23,123	17	6,427	243	99,982	23	6,451
1887. ....	531	800,007	117	801,932	101	61,002	36	19,931	225	80,420	16	5,133

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	30,343	8,953	39,296	347,993	11.29		\$13.92
1880. ....	49,000	4,394	53,454		15.33	\$52.89	15.91
1887. ....	51,916	15,349	67,265		18.48		16.38

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$14,435,969
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$1,173,184
Home value of farm products for one year (1879) †.....	\$2,134,375

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**MONROE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Monroe County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	160	\$175,112	17,348	....	153	\$215,463	16,841	....	132	\$198,237	18,230	....
Lots .....	47	32,879	.....	97	59	42,813	.....	145	41	27,600	.....	81
Total Real Est.	207	\$207,991	17,348	97	212	\$257,276	16,841	145	173	\$225,837	18,230	81
Chattels .....	262	108,865	.....	....	145	44,844	.....	....	243	89,753	.....	....
Totals .....	469	\$311,856	17,348	97	357	\$302,620	16,841	145	416	\$315,590	18,230	81

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	114	\$98,271	46	\$76,841	21	\$20,145	22	\$12,734	253	\$94,844	15	\$9,021
1880....	214	193,980	39	76,483	38	29,259	21	13,054	194	41,609	11	3,335
1887....	115	168,492	17	29,745	27	23,514	14	4,086	177	67,103	66	22,660

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870 .....	130	\$51,048	1	\$45	5	\$4,437	4	\$5,564	111	36,600	11	\$5,571	....	....	....	....
1880 .....	74	21,739	1	500	....	....	1	248	68	19,758	2	2,399	1	\$200	....	....
1887 .....	136	55,353	2	450	4	1,135	1	1,000	98	31,898	2	417	....	....	....	....

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
4	\$13,350	846	.....	6	\$23,193	874	3	28	\$106,479	4,013	14

\* No mortgages of this class recorded.

## MONROE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	180	.0982	2.737	47	.0999	1.84	262	.0999	17.15
1880....	153	.0737	3.809	59	.0751	2.206	145	.08	14.1
1887....	132	.0712	2.994	41	.0776	1.841	243	.0789	16.25

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	438	\$502,814	47,481	86	\$63,519	173	374	\$163,261	893	\$729,594
1880.....	506	739,340	55,747	130	96,847	320	169	61,978	803	898,065
1887.....	395	614,651	54,551	75	52,784	149	325	131,123	795	798,568

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	312	\$282,079	126	\$220,785	46	\$38,442	40	\$25,077	353	\$149,057	21	\$14,204
1880....	377	476,810	129	263,430	84	66,921	46	29,926	156	57,516	13	4,462
1887....	344	522,453	51	92,198	49	44,867	26	7,917	236	98,080	89	33,043

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged
	For loans.	For deferred payments.					
1870.....	36,560	10,921	47,481		19.99		\$10.59
1880.....	41,167	14,560	55,727	237,622	23.44	\$44.64	13.27
1887.....	47,618	6,938	54,551		22.94		11.27

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$5,563,512
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$696,526
Home value of farm products for one year (1879)†.....	\$1,370,514

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**MONTGOMERY COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Montgomery County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	*198	\$256,694	17,325	....	363	\$469,927	31,536	....	251	\$267,136	22,330	....
Lots .....	68	51,977	....	118	111	55,090	....	306	249	137,452	....	492
Total Real Est	266	\$308,671	17,325	118	474	\$525,017	31,536	306	500	\$424,588	22,330	492
Chattels .....	175	57,310	....	....	156	59,472	....	....	300	89,993	....	....
Totals .....	441	\$365,981	17,325	118	630	\$584,489	31,536	306	800	\$514,581	22,330	492

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	108	\$120,235	95	\$136,459	19	\$19,710	49	\$32,247	166	\$55,843	9	\$1,467
1880....	256	291,983	105	177,944	60	31,846	51	23,744	131	41,610	25	17,863
1887....	196	198,232	55	88,854	90	55,810	159	81,612	222	53,115	78	36,878

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IM- PLEMENTS.		HOUSE- HOLD GOODS.		MER- CHANDISE AND FIX- TURES.		MACHIN- ERY AND TOOLS.		GROW- ING CROPS.		GAR- NERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCEL- LANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't	No.	Am't.	No.	Am't.
1870. ....	100	\$20,855	3	\$1,105	20	\$9,163	3	\$6,350	22	\$3,190	10	\$4,369	1	\$125	16	\$3,753
1880. ....	75	25,003	5	594	12	4,182	13	16,215	32	7,078	1	185	6	994	7	5,221
1887. ....	212	66,844	3	237	8	1,691	4	1,105	31	6,059	3	775	14	1,785	23	11,477

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	104	\$65,449	344	183	399	\$250,866	1,319	709

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
39	\$56,910	3,378	9	38	\$63,666	3,536	12	94	\$157,446	8,745	30

\* One mortgage, \$12,000 1 year, 10 per cent. on 4 acres of mining property.

## MONTGOMERY COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	198	.0958	2.049	68	.0988	1.211	175	.0999	15.1
1880....	808	.0783	2.284	111	.0786	1.692	156	.0794	15.87
1887....	251	.0784	2.561	249	.0776	8.751	800	.0785	12.87

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	406	\$551,026	35,499	82	\$66,053	143	219	\$79,323	707	\$696,404
1880.....	833	1,120,217	72,344	138	96,875	518	156	83,292	1,177	1,900,984
1887.....	643	762,343	37,187	594	536,567	1,845	309	100,045	1,866	1,397,975

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	211	\$257,887	195	\$293,141	23	\$25,101	59	\$40,952	208	\$77,261	11	\$2,062
1880....	592	695,655	241	424,562	102	55,122	86	41,753	124	58,304	32	24,989
1887....	502	526,778	141	235,565	338	235,960	596	299,627	229	59,027	80	41,018

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	21,183	14,316	35,499	440,625	8.06	\$29.46	\$15.54
1880.....	53,061	19,268	72,344		16.98		15.48
1887.....	46,513	10,674	57,187		12.98		18.33

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$12,475,022
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$336,653
Home value of farm products for one year (1879) †.....	\$3,297,870

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**MORGAN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Morgan County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.				
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	
Lands.....	208	\$426,474	19,114	.....	265	\$379,587	18,212	.....	223	\$419,871	17,961	.....	
Lots.....	208	219,625	.....	300	188	183,686	.....	327	272	233,422	.....	398	
Total Real Est.	416	\$646,099	19,114	300	453	\$563,273	18,212	327	495	\$653,293	17,961	398	
Chattels.....	149	73,888	.....	256	110,988	.....	350	161,160	.....	845	\$814,453	17,961	398
Totals.....	565	\$719,987	19,114	300	709	\$674,261	18,212	327	845	\$814,453	17,961	398	

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	119	\$202,634	89	\$223,840	128	\$141,438	80	\$90,287	148	\$73,459	1	\$330
1880....	189	249,392	76	1,841	120	140,005	68	43,690	237	107,623	19	3,365
1887....	197	362,182	26	57,639	143	119,919	129	113,508	328	159,507	22	2,653

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	96	\$37,279	15	13,203	8	\$6,150	7	\$4,332	14	\$3,669	.....	.....	1	\$350	8	\$3,226
1880.....	150	79,756	17	3,857	11	8,359	12	4,787	29	7,516	2	\$950	19	3,363	16	2,498
1887.....	240	137,024	17	3,106	17	5,281	4	1,739	13	3,594	1	472	22	2,653	36	7,291

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
33	\$21,425	.....	49	96	\$8,700	.....	132	432	\$399,150	.....	594

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
1	\$15,000	.....	2	10	\$26,555	460	19	50	\$131,872	2,284	94

## MORGAN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	208	.099	2.24	208	.0997	2.09	149	.0965	12.3
1880....	265	.0762	2.854	188	.0767	2.882	256	.0802	10.41
1887....	228	.0695	3.588	272	.0679	2.842	358	.0794	10.55

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	466	\$1,002,589	42,815	485	\$481,898	627	153	\$83,185	1,054	\$1,567,672
1880.....	756	1,124,616	51,977	542	549,712	942	222	104,016	1,520	1,778,344
1887.....	800	1,558,848	64,444	773	685,907	1,183	306	152,937	1,879	2,397,693

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	267	\$476,231	199	\$526,358	258	\$283,844	177	\$198,054	152	\$32,794	1	\$391
1880.....	539	882,324	217	241,792	346	418,881	196	190,881	206	100,896	16	3,120
1887.....	707	1,845,286	93	213,662	406	352,556	367	333,351	257	150,353	19	2,584

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	26,445	16,370	42,815	353,352	12.12	\$53.36	\$23.42
1880.....	40,047	11,980	51,977		14.71		21.64
1887.....	54,834	9,590	64,444		18.24		24.19

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$17,404,589
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,688,888
Home value of farm products for one year (1879)†.....	\$2,189,280

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**MOULTRIE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Moultrie County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	124	\$166,157	11,674	....	170	\$166,020	11,545	....	286	\$264,412	30,870	....
Lots .....	6	2,267	....	25	27	8,738	....	87	56	82,390	....	155
Total Real Est. ....	130	\$168,424	11,674	25	197	\$174,758	11,545	87	342	\$296,802	30,870	155
Chattels. ....	58	17,589	....	....	121	31,605	....	....	228	58,097	....	....
Totals. ....	188	\$186,013	11,674	25	318	\$206,363	11,545	87	570	\$354,899	30,870	155

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	107	\$141,258	17	\$24,899	6	\$2,267	....	....	50	\$14,612	3	\$2,977
1880....	157	143,492	18	22,528	24	7,738	3	\$1,000	98	19,748	23	11,857
1887....	268	229,248	28	35,164	47	30,070	9	2,390	208	42,676	25	15,422

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	37	\$10,694	....	....	1	\$300	4	\$3,812	8	\$2,446	1	\$200	....	....	2	\$237
1880....	98	21,745	1	\$23	4	3,950	7	3,051	5	1,872	4	1,178	1	\$80	1	200
1887....	193	49,777	1	322	6	1,780	4	2,556	15	3,161	....	....	4	181	3	323

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
....	....	....	....	6	\$2,700	70	19	15	\$6,750	175	48

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
53	\$61,185	4,338	14	101	\$105,005	8,594	22	495	\$504,234	41,268	106

## MOULTRIE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mort. gages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELTS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	124	.1015	2.523	6	.10	1.088	53	.10	9.9
1880.....	170	.0778	3.607	27	.0794	2.686	121	.08	13.34
1887.....	286	.0686	3.841	56	.0744	2.64	228	.08	14.28

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELTS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	318	\$440,314	39,442	6	\$2,589	27	44	\$15,964	363	\$458,867
1880.....	618	622,139	41,643	73	24,288	234	133	37,940	519	684,486
1887.....	1,099	1,050,898	80,162	148	88,680	409	271	74,659	1,518	1,214,947

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELTS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	270	\$374,268	43	\$66,046	6	\$2,589	.....	.....	43	\$13,894	2	\$2,570
1880....	568	537,519	47	84,610	65	21,583	8	\$2,805	107	24,895	26	13,054
1887....	991	911,129	108	139,769	124	82,340	24	6,350	241	54,874	30	19,785

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	36,499	2,943	29,442	216,496	13.59	\$27 18	\$14 96
1880.....	38,226	3,406	41,643		19.23		14 94
1887.....	78,402	6,780	80,162		37.03		18 11

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$6,040,963
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$1,114,870
Home value of farm products for one year (1879) + .....	\$1,418,452

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**OGLE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Ogle County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				18.0.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	364	\$595,872	36,324	....	331	\$568,752	29,336	....	290	\$545,187	25,730	....
Lots .....	125	97,866	.....	372	110	60,988	.....	387	84	46,079	.....	84
Total Real Est	489	\$693,738	36,324	372	441	\$629,770	29,336	387	374	\$591,266	25,730	84
Chattels.....	306	115,537	.....	....	351	105,482	.....	....	397	119,221	.....	....
Totals.....	795	\$809,275	26,834	372	792	\$735,252	29,336	387	771	\$710,487	25,730	84

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	316	\$475,085	48	\$120,837	113	\$33,162	12	\$14,704	274	\$35,894	32	\$30,233
1880....	296	462,962	35	105,800	104	56,900	6	4,083	304	86,355	47	19,127
1887....	276	497,859	14	47,328	78	39,669	6	6,410	362	97,577	35	21,644

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	240	\$38,202	5	\$1,954	9	\$6,208	6	\$1,211	29	\$9,739	7	\$2,585	3	\$625	7	10,036
1880.....	257	65,227	8	1,841	6	5,722	13	3,004	39	10,598	11	5,296	5	425	12	4,379
1887.....	338	88,823	4	4,800	13	5,235	8	4,201	14	11,642	7	3,469	11	861	2	1,190

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
8	\$17,792	1,089	.....	30	\$38,149	3,994	4	133	\$389,883	17,665	18

\*No mortgage of this class recorded.

## OGLE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	364	.0666	4.38	125	.0646	2.894	306	.0669	18.44
1880....	331	.0756	4.507	110	.0732	2.685	351	.0799	18.58
1887....	290	.0677	4.068	84	.0725	2.264	397	.078	18.77

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	1,594	\$2,785,978	159,099	299	\$245,378	890	843	\$141,909	2,236	\$3,123,160
1880.....	1,492	2,660,400	132,217	236	170,872	1,043	867	119,413	2,155	2,950,685
1887.....	1,180	2,222,894	104,670	190	108,105	500	424	147,476	1,824	2,548,475

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	1,384	\$2,180,576	210	\$55,408	264	\$308,567	35	\$36,806	307	\$116,993	36	\$34,816
1880....	1,384	2,165,568	158	494,834	230	156,424	16	11,448	318	97,799	49	21,614
1887....	1,138	2,068,412	57	199,482	176	92,971	14	15,184	414	120,778	40	26,893

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	138,372	20,637	159,009	479,202	33.2	\$47.75	\$17.20
1880.....	114,347	17,870	132,217		27.6		21.21
1887.....	97,779	6,891	104,670		21.84		21.81

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$23,226,005
Total of existing mortgage indebtedness on lands, live stock and implements.....	2,402,146
Home value of farm products for one year (1879†.....)	2,543,419

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**PEORIA COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Peoria County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	307	\$541,221	26,389	.....	851	\$488,026	30,372	.....	*888	\$310,671	35,018	.....
Lots.....	†886	799,760	.....	720	571	583,551	.....	1112	†1,058	1,196,222	.....	1661
Total Real Est.	673	\$1,340,981	26,389	720	922	\$1,071,577	30,372	1112	1,441	\$2,006,893	35,018	1661
Chattels.....	418	183,727	.....	.....	590	192,508	.....	.....	909	312,290	.....	.....
Totals.....	1,086	\$1,524,708	26,389	720	1,452	\$1,264,085	30,372	1112	2,350	\$2,319,183	35,018	1661

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	228	\$372,690	79	\$168,631	275	\$296,389	91	\$104,371	882	\$163,751	31	\$19,976
1880....	307	414,775	44	73,251	336	416,656	285	166,895	467	161,888	63	30,620
1887....	332	630,935	54	179,736	165	869,508	393	326,719	740	270,401	169	41,389

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINEERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	271	\$97,341	44	22,194	30	18,425	21	40,398	14	\$5,088	7	\$3,683	4	\$1,590	22	\$6,006
1880.....	328	100,759	80	18,753	40	19,404	40	42,696	24	5,981	5	1,489	5	490	8	3,006
1887.....	331	127,820	331	37,910	77	64,459	58	69,675	12	4,060	5	1,072	31	5,300	14	2,494

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
123	\$95,400	4	171	141	\$114,450	6	185	1,015	\$324,040	43	1,332

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
47	\$122,615	4,408	26	38	\$106,644	2,869	15	156	\$437,847	11,735	32

\*One mortgage, \$75,000, on 1,514 acres of coal land; one for \$30,000 on 10 acres manufacturing plant.

†Two mortgages, \$130,000 each, on mill and elevator.

‡One mortgage, \$60,000, and one \$75,000, on manufacturing properties.

## PEORIA COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	307	.0945	3.223	366	.0977	2.27	413	.0939	16.68
1880.....	351	.0762	4.069	571	.075	4.565	531	.0799	14.25
1887.....	383	.0657	4.347	1,068	.0729	3.48	909	.0782	15.3

## Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	989	\$1,826,776	85,062	831	\$1,904,140	1,634	572	\$273,530	2,392	\$4,009,446
1880.....	1,435	2,071,568	124,191	2,607	2,768,907	5,076	628	246,864	4,670	5,082,239
1887.....	1,665	3,689,750	152,223	3,662	4,314,588	5,780	1,158	429,304	6,505	8,383,642

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	784	\$1,258,652	955	\$568,124	624	\$1,656,602	207	\$247,538	529	\$347,893	43	\$30,637
1880....	1,255	1,760,833	180	810,735	1533	1,973,358	1074	730,449	553	307,612	75	89,252
1887....	1,530	2,831,725	135	808,025	2905	3,136,706	1377	1,177,892	942	371,777	216	57,527

## Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	65,621	19,431	85,052	390,854	21.76	\$50 21	\$21 48
1880.....	111,591	13,800	124,191		31.77		16 68
1887.....	134,778	17,445	152,223		38.92		23 91

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$15,215,894
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$3,324,777
Home value of farm products for one year (1879)† .....	\$2,332,841

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**PERRY COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Perry County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	96	\$109,720	8,490	....	244	\$182,888	17,537	....	174	\$98,750	13,735	....
Lots .....	60	54,765	....	82	45	27,950	....	82	78	36,525	....	133
Total Real Est.	156	\$164,485	8,490	82	289	\$160,838	17,537	82	252	\$130,575	13,735	133
Chattels .....	61	15,518	....	....	209	39,943	....	....	227	29,823	....	....
Totals .....	217	\$180,003	8,490	82	501	\$200,781	17,537	82	479	\$159,897	13,735	133

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	47	\$39,564	49	\$70,156	37	\$23,525	23	\$31,342	46	\$12,591	15	\$2,927
1880....	176	86,968	68	45,920	32	17,892	16	10,056	153	27,827	56	12,116
1887....	187	81,863	37	12,387	38	18,704	40	18,121	144	18,498	83	10,529

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSE-HOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	41	\$7,924	6	\$1,306	4	\$1,018	5	\$2,958	4	\$1,537	1	\$275	...	...	...	...
1880....	123	22,597	7	916	8	3,580	2	1,133	58	8,455	2	1,000	7	\$1,522	3	\$740
1887....	157	20,352	5	404	9	2,249	5	1,169	32	3,132	2	598	14	1,173	3	300

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	16	\$9,687	220	23	27	\$16,139	367	36

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
18	\$11,488	1,294	.....	18	\$13,360	1,289	1	53	\$54,095	5,017	4

## PERRY COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	96	.0671	2.691	60	.0689	2.29	61	.097	12.91
1880....	244	.0796	2.69	48	.0778	3.108	209	.0811	12.03
1887....	174	.0762	2.915	78	.0756	2.838	237	.0794	12.19

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole No.	Whole Amounts.
1870. ....	259	\$309,590	22,847	137	\$131,614	188	65	\$18,312	461	\$459,516
1880. ....	654	871,696	47,175	149	90,248	255	214	43,396	1,019	905,240
1887. ....	572	283,693	40,088	221	108,459	377	231	32,157	1,024	424,309

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870. ....	127	\$111,453	132	\$198,137	84	\$56,582	58	\$75,032	49	\$14,859	16	\$3,453
1880. ....	478	243,089	183	124,607	99	57,739	50	32,489	158	30,177	58	13,119
1887. ....	464	246,246	108	37,447	117	53,805	104	52,654	147	20,292	84	11,865

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	11,306	11,581	22,847	255,819	8.93	\$31.28	\$13.55
1880. ....	33,403	13,772	47,175		18.44		7.88
1887. ....	34,130	5,908	40,038		15.65		7.09

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$4,558,385
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$306,009
Home value of farm products for one year (1879)† .....	\$1,004,100.

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**PIATT COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Piatt County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	*225	\$523,915	36,004	....	216	\$276,874	17,468	....	248	\$326,194	23,128	....
Lots .....	33	18,879	....	88	72	21,956	....	174	124	59,096	....	264
Total Real Est	258	\$542,294	36,004	88	288	\$298,890	17,468	174	372	\$385,292	23,128	264
Chattels .....	106	51,280	....	225	225	101,165	....	....	275	147,841	....	....
Totals .....	364	\$598,574	36,004	88	513	\$399,995	17,468	174	647	\$532,683	23,128	264

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	187	\$448,491	38	\$75,494	24	\$13,029	9	\$5,350	102	\$47,880	4	\$3,920
1880....	182	214,086	34	62,788	64	19,564	8	2,392	204	91,068	21	10,100
1887....	231	274,965	17	51,229	97	41,663	27	17,435	287	114,902	48	22,459

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINEERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Amt's.	No.	Amt.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.	No.	Amt't.
1870.....	73	\$36,050	2	\$1,279	1	\$600	....	....	22	\$3,333	8	\$5,018	....	....	....	....
1880.....	156	58,234	3	650	20	22,842	12	\$5,133	26	7,840	5	6,296	1	\$110	2	\$60
1887.....	238	106,182	5	550	6	26,896	4	2,429	9	2,508	5	5,751	6	650	7	915

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
4	\$683	.....	11	21	\$11,475	166	48	42	\$22,950	333	86

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
59	\$99,554	5,975	8	112	\$170,385	11,454	18	508	\$773,378	51,990	59

\* One mortgage on 160 acres of land, without amount, to secure the education of, and a share of a given estate to mortgagee's daughter.

## PLATT COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	225	.0964	4.138	38	.0967	1.691	106	.0998	13.86
1880....	216	.0753	3.928	72	.0785	2.397	225	.0739	9.9
1887....	248	.0683	4.556	124	.0764	3.061	275	.0799	10.21

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	929	\$2,299,127	148,625	56	\$32,568	148	122	\$65,105	1,107	\$2,866,796
1880. ....	848	1,123,468	88,595	173	54,685	417	185	90,125	1,306	1,278,288
1887. ....	1,180	1,636,892	105,871	380	187,809	806	234	185,374	1,744	1,860,075

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	772	\$1,942,373	157	\$336,754	41	\$23,123	15	\$9,443	117	\$59,990	5	\$5,115
1880. .	714	872,238	134	254,185	154	49,738	19	5,992	168	81,112	17	9,013
1887....	1,053	1,295,600	77	241,292	297	130,406	83	57,403	193	114,797	41	20,577

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	130,616	18,009	148,625	275,167	54.01	\$31.96	\$15.27
1880. ....	54,308	14,392	68,595		24.91		16.45
1887. ....	99,307	6,064	105,371		38.29		14.59

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$3,844,596
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$1,636,245
Home value of farm products for one year (1879) †.....	\$1,618,813

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**PIKE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Pike County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	147	\$192,103	12,627	...	368	\$498,187	34,619	...	234	\$325,485	25,027	...
Lots .....	65	58,780	.....	185	141	82,798	.....	375	107	34,742	.....	221
Total Real Est.	212	\$250,883	12,627	185	539	\$580,985	34,619	375	401	\$360,227	25,027	221
Chattels .....	242	73,200	.....	259	259	64,979	.....	...	527	129,861	.....	...
Totals .....	454	\$324,083	12,627	135	798	\$645,964	34,619	375	928	\$490,088	25,027	221

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	137	\$171,705	10	\$20,398	55	\$56,825	10	\$2,455	288	\$71,780	4	\$1,430
1880....	333	470,122	15	28,065	140	82,298	1	500	251	62,620	8	2,354
1887....	286	311,266	8	14,199	102	31,092	5	3,650	508	107,941	24	21,920

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	158	\$44,970	5	\$1,537	2	\$5,500	3	\$1,327	54	\$11,481	4	\$398	2	\$245	14	\$7,742
1880....	134	25,707	3	10,172	8	3,482	6	1,484	70	12,587	11	2,600	3	205	24	8,742
1887....	350	77,481	4	680	16	6,186	7	2,482	107	26,635	9	4,192	.....	.....	34	12,255

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
38	\$59,866	2,863	22	37	\$61,508	2,899	4	112	\$186,106	8,772	12

\* No mortgages of this class recorded.

## PIKE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	147	.098	2.098	65	.0997	1.756	242	.0992	12.73
1880....	396	.0796	2.458	141	.0806	2.731	259	.08	10.76
1887....	294	.0757	3.113	107	.0797	2.211	527	.0799	12.4

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	309	\$421,772	26,428	114	\$106,358	287	256	\$35,356	678	\$615,486
1880.....	976	1,270,691	84,920	385	235,224	1,024	231	62,928	1,592	1,568,861
1887.....	915	1,061,586	77,909	237	79,875	489	544	144,915	1,696	1,276,376

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	287	\$377,065	21	\$44,707	96	\$103,906	18	\$4,532	244	\$33,896	12	\$1,661
1880....	989	1,199,532	87	71,159	382	235,823	8	1,411	224	60,661	7	2,265
1887....	890	1,005,816	25	46,270	226	71,489	11	8,386	519	120,424	25	24,491

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	24,410	2,018	26,428	510,034	5.18	\$44 40	\$15 96
1880.....	81,508	3,412	84,920		16.65		14 96
1887.....	73,296	4,613	77,909		15.67		13 50

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$16,684,617
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,135,486
Home value of farm products for one year (1879)†.....	\$3,452,726

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**POPE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Pope County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				18 0.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	46	\$16,945	3,894	...	63	\$15,011	4,728	...	141	\$39,990	11,867	...
Lots .....	6	5,289	...	8	6	1,927	...	9	13	2,921	...	15
Total Real Est	52	\$22,234	3,894	8	69	\$16,938	4,728	9	154	\$42,911	11,867	15
Chattels .....	6	628	...	120	120	12,904	...	...	145	19,029	...	...
Totals .....	58	\$22,862	3,894	8	189	\$29,842	4,728	9	299	\$61,940	11,867	15

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	32	\$9,926	14	\$7,019	8	\$2,889	8	\$2,450	6	\$628	...	...
1880....	51	11,468	12	3,528	4	1,077	2	850	96	7,978	24	\$4,936
1887....	107	23,387	134	16,603	11	1,721	2	1,200	104	8,817	41	10,212

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINEERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	6	\$628	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1880.....	78	7,131	...	...	1	\$272	4	\$2,430	21	\$1,258	8	\$372	9	\$265	4	\$1,176
1887.....	120	10,961	...	...	2	806	9	4,590	5	701	...	...	3	122	6	1,839

## Totals of Mortgages given to Building and Loan Associations. \*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
2	\$348	180	.....	3	\$2,700	529	.....	8	\$7,601	1,439	.....

\*No mortgages of this class recorded.

## POPE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	46	.0992	2.598	6	.0924	3.118	6	.10	5.91
1880....	63	.0808	1.566	6	.08	1.	120	.08	11.57
1887....	141	.0793	1.53	13	.08	2.088	145	.08	14.98

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	119	\$45,851	8,750	19	\$17,253	25	3	\$338	141	\$63,443
1880.....	99	24,451	7,404	6	2,004	9	116	13,488	221	39,898
1887.....	216	63,611	18,156	27	6,343	31	180	25,659	423	95,613

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	83	\$26,363	36	\$18,988	10	\$9,266	9	\$7,987	3	\$338	.....	.....
1880....	80	18,705	19	5,746	4	1,120	2	884	98	8,302	23	\$5,131
1887....	164	37,212	52	26,399	23	3,742	4	2,601	129	11,890	51	13,779

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged
	For loans.	For deferred payments.					
1870.....	6,236	2,514	8,750	231,394	3.78	\$15 14	\$5 34
1880.....	5,362	2,042	7,404		3.20		5 55
1887.....	12,526	5,690	18,156		7.86		8 60

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$2,097,568
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$78,415
Home value of farm products for one year (1879)†.....	\$676,927

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



## PERRY COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELTS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	96	.0971	2.691	60	.0989	2.29	61	.097	12.91
1880....	244	.0796	2.69	48	.0778	3.108	209	.0811	12.03
1887....	174	.0762	2.915	78	.0766	2.888	237	.0794	12.19

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELTS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	259	\$309,590	22,847	137	\$131,614	188	65	\$18,312	461	\$459,516
1880. ....	653	871,696	47,175	149	90,248	255	214	49,206	1,019	505,210
1887. ....	572	283,493	40,088	221	108,469	377	231	32,157	1,024	424,809

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELTS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	127	\$111,453	132	\$198,137	84	\$56,582	53	\$75,032	49	\$14,859	16	\$3,453.
1880....	478	248,089	183	124,607	99	57,759	50	32,489	158	30,177	56	13,119.
1887....	464	246,246	108	37,447	117	53,805	104	51,654	147	20,292	84	11,865.

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	11,306	11,581	22,847	255,819	8.93	\$31.28	\$13.56
1880. ....	33,403	13,772	47,175		18.44		7.88
1887. ....	34,130	5,908	40,038		15.65		7.09

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$4,568,385
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$306,009
Home value of farm products for one year (1879)†.....	\$1,004,160.

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

## PULASKI COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	48	.0923	2.644	18	.0645	1.246	47	.0924	9.45
1880.....	37	.0737	2.604	9	.0783	2.808	110	.08	11.41
1887.....	76	.0782	2.16	14	.08	1.009	98	.0799	11.6

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	127	\$127,370	9,698	20	\$11,441	89	87	\$12,522	184	\$151,333
1880.....	96	34,106	6,114	25	5,103	89	104	16,364	225	55,573
1887.....	164	76,925	9,973	14	7,289	16	94	16,761	272	100,975

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	90	\$109,796	37	\$17,584	13	\$3,833	7	\$2,608	81	\$11,271	6	\$1,261
1880.....	75	23,942	21	10,164	11	1,245	14	3,868	93	9,884	11	6,480
1887.....	132	58,232	32	13,698	5	4,860	9	2,429	82	13,957	12	3,704

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	6,560	3,133	9,693	108,746	8.91	\$23.60	\$13.14
1880.....	4,158	1,956	6,114		5.62		5.56
1887.....	7,390	2,583	9,973		9.17		7.71

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$1,305,546
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$85,632
Home value of farm products for one year (1879) †.....	\$310,940

\* State Auditor's Report, 1887.

† United States Census Report, 1890.

**PUTNAM COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Putnam County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	44	\$76,228	3,750	....	61	\$76,789	6,598	....	*74	\$130,425	7,814	....
Lots .....	19	10,694	.....	43	14	3,610	.....	48	18	5,840	.....	36
Total Real Est.	63	\$86,922	3,750	43	75	\$80,349	6,598	48	92	\$136,265	7,814	36
Chattels .....	53	16,872	.....	83	83	7,969	.....	66	66	33,470	.....	....
Totals .....	116	\$103,794	3,750	43	108	\$88,318	6,598	38	158	\$169,735	7,814	36

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	25	\$28,170	19	\$48,068	9	\$4,304	10	\$5,490	24	\$8,088	29	\$8,784
1880....	49	63,881	22	13,358	8	2,142	6	1,468	11	3,713	22	4,256
1887....	52	96,775	22	34,660	7	4,866	11	975	31	16,758	35	16,712

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	36	\$11,551	2	\$127	.....	.....	2	\$250	8	\$1,915	2	\$2,150	.....	.....	3	\$579
1880....	22	3,279	1	100	.....	.....	4	1,560	4	1,980	2	1,100	.....	.....	.....	.....
1887....	56	27,764	3	750	.....	.....	2	560	1	1,325	1	2,376	1	\$65	2	650

## Totals of Mortgages given to Building and Loan Associations.†

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
3	\$9,000	513	.....	2	\$2,200	210	.....	7	\$7,601	726	.....

\* Eleven mortgages, aggregating \$8,385, given for deferred payments on the coal and fire clay underlying 1,334 acres of land.

† No mortgages of this class recorded.

## PUTNAM COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	44	.0953	2.815	19	.0981	1.836	53	.0929	16.12
1880....	61	.0783	3.418	14	.0906	2.614	33	.0788	13.27
1887....	74	.0677	3.726	18	.0739	1.529	66	.0766	15.14

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	194	\$224,886	10,500	25	\$14,968	57	71	\$24,771	230	\$264,645
1880.....	208	272,563	22,552	87	9,817	125	86	9,505	281	291,885
1887.....	276	502,414	27,252	28	9,259	55	83	45,417	387	557,090

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	70	\$68,906	54	\$141,678	12	\$5,967	13	\$3,991	32	\$11,842	39	\$12,939
1880....	167	225,137	41	47,426	21	5,821	16	3,996	12	4,439	24	5,076
1887....	194	378,772	82	133,642	11	7,685	17	1,574	39	22,754	44	22,663

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	5,655	4,905	10,500	106,019	9.96	\$62.02	\$21.30
1880.....	18,563	3,989	22,552		21.26		12.09
1887.....	17,306	9,946	27,252		25.89		18.43

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$4,540,284
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$540,080
Home value of farm products for one year (1879)†.....	\$697,526

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**RANDOLPH COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Randolph County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	230	\$218,169	16,790	.....	275	\$294,120	25,278	.....	191	\$167,064	14,990	.....
Lots.....	64	48,052	.....	159	84	66,062	.....	199	74	85,604	.....	141
Total Real Est.	294	\$261,221	16,790	159	359	\$360,172	25,278	199	265	\$202,668	14,990	141
Chattels.....	141	39,022	.....	.....	246	61,180	.....	.....	339	70,792	.....	.....
Totals.....	425	\$300,243	16,790	159	605	\$421,362	25,278	199	604	\$273,450	14,990	141

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	130	\$117,659	90	\$100,510	38	\$28,496	31	\$16,556	114	\$31,608	27	\$7,414
1880....	162	137,542	113	156,578	51	40,867	33	25,185	172	42,833	74	18,357
1887....	160	138,347	81	28,707	60	28,253	14	7,361	237	49,534	102	21,336

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	100	\$28,147	1	\$49	3	\$3,180	2	\$273	27	\$5,257	3	\$567	.....	.....	5	\$1,579
1880.....	118	29,021	3	681	2	1,300	2	315	88	15,067	5	978	3	\$422	25	13,406
1887.....	198	36,221	8	1,291	3	1,500	6	1,113	96	15,423	6	1,057	1	70	22	14,117

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	1	\$1,058	40	.....	2	\$2,116	80	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
4	\$5,010	140	1	6	\$3,300	764	.....	30	\$41,500	3,630	.....

RANDOLPH COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mort. gages.	AVERAGES FOR LOTS.		No. of mort-gages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	220	.0867	3.309	64	.0864	1.597	141	.0896	14.71
1880.....	275	.0797	2.587	84	.0775	2.857	246	.0903	12.73
1887.....	191	.0749	2.709	74	.0746	2.684	339	.0789	12.08

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	728	\$756,445	55,558	102	\$72,068	254	172	\$52,802	1,002	\$881,135
1880.....	711	791,309	65,394	240	196,028	569	261	70,122	1,212	1,057,854
1887.....	517	469,497	40,608	199	90,125	373	339	76,564	1,055	645,186

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	430	\$408,494	286	\$347,971	52	\$44,396	50	\$27,673	129	\$42,606	38	\$9,994
1880....	419	370,288	292	420,923	146	121,838	94	74,685	182	49,085	79	21,037
1887....	453	388,754	84	80,748	161	78,309	38	20,816	237	53,595	102	22,969

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre, on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	32,415	23,138	55,558	350,296	15.86	\$41 10	\$13 62
1880.....	41,019	24,375	65,394		18.66		12 10
1887.....	34,849	5,759	40,608		11.59		11 56

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$9,163,270
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$508,668
Home value of farm products for one year (1879) † .....	\$3,184,886

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**RICHLAND COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Richland County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	130	\$90,271	9,988	....	149	\$49,893	8,362	....	178	\$32,549	11,222	....
Lots.....	58	82,117	....	189	61	26,618	....	95	104	61,027	....	198
Total Real Est.	178	\$122,388	9,988	189	210	\$96,511	8,362	95	282	\$143,576	11,222	198
Chattels.....	88	7,080	....	....	94	17,712	....	....	94	26,215	....	....
Totals.....	206	\$129,418	9,938	189	304	\$114,223	8,362	95	376	\$169,791	11,222	198

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	100	\$77,288	20	\$12,968	49	\$30,515	4	\$2,402	80	\$6,679	3	\$351
1880....	122	52,835	27	17,558	41	19,947	20	6,771	84	14,845	10	3,367
1887....	148	67,215	35	15,834	36	26,341	68	34,666	88	28,885	11	2,320

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	28	\$6,477	1	\$75	....	....	1	\$183	2	\$196	....	....	....	....	1	\$100
1880.....	59	10,451	5	1,086	....	....	6	2,423	23	8,617	....	....	....	....	1	185
1887.....	79	18,066	1	21	8	\$10418	5	2,625	1	100	....	....	....	....	....	....

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
....	....	....	....	28	\$7,910	....	81	115	\$39,550	....	155

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
8	\$6,250	620	4	24	\$19,970	2,255	....	119	\$26,220	11,222	....

## RICHLAND COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	120	.0963	1,819	53	.0975	1,418	33	.0929	18.57
1880....	149	.0788	2,408	61	.0784	1,69	94	.0787	18.08
1887....	178	.0745	2,405	104	.0782	2,066	94	.0786	16.84

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	218	\$172,109	18,068	75	\$47,762	197	38	\$8,661	331	\$228,563
1880.....	359	174,933	20,136	103	46,747	161	102	20,825	564	242,505
1887.....	428	205,925	26,969	215	131,012	409	131	39,508	774	376,440

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	182	\$147,670	37	\$24,439	69	\$44,228	6	\$3,534	35	\$8,296	3	\$395
1880.....	294	181,025	65	43,908	100	34,873	3	11,874	91	16,868	11	3,967
1887.....	344	167,622	84	38,303	83	56,859	182	74,158	115	35,087	16	3,516

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	16,541	2,527	18,068	224,101	8.06	\$25.92	\$9.53
1880.....	15,566	4,570	20,136		8.94		8.68
1887.....	22,234	4,755	26,989		12.04		7.63

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$4,879,364
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$225,595
Home value of farm products for one year (1879)†.....	\$765,334

\*State Auditor's Report, 1887.

† United States Census Report, 1880.



**ROCK ISLAND COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Rock Island County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	175	\$212,567	18,121	....	284	\$377,109	19,664	....	222	\$336,290	19,923	....
Lots .....	241	276,412	.....	557	357	267,215	.....	574	*430	419,088	.....	640
Total Real Est.	416	\$488,979	18,121	557	591	\$644,324	19,664	574	652	\$755,318	19,923	640
Chattels. ....	119	40,622	.....	228	94,685	.....	266			78,122	.....	
Totals. ....	535	\$529,601	18,121	557	819	\$739,009	19,664	574	918	\$833,440	19,923	640

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	127	\$115,108	48	\$97,464	187	\$214,342	54	\$82,070	115	\$39,381	4	\$1,371
1880....	210	817,789	24	59,320	269	193,415	58	68,800	306	87,712	21	6,934
1887....	189	268,595	33	57,635	468	282,766	172	136,322	252	75,723	11	2,333

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	80	\$22,878	17	\$5,336	10	\$5,700	4	\$4,816	4	\$1,018	.....	.....	1	\$200	3	\$574
1880....	113	38,188	26	3,055	37	26,541	15	19,538	6	1,248	8	\$2,344	15	1,746	13	2,025
1887....	189	51,266	17	3,643	29	11,846	8	5,450	6	1,673	1	840	5	1,449	11	1,965

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
7	\$5,775	.....	8	108	\$90,150	72	198	612	\$510,790	408	1,122

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
38	\$56,890	3,555	20	61	\$123,823	4,196	28	365	\$741,576	25,134	168

\* Two mortgages on gas works—one for \$45,000, 10 years, at 8 per cent; one for \$50,000, 8 years, at 6 per cent.

## ROCK ISLAND COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	175	.0941	1.771	241	.0986	2.301	119	.0987	11.67
1880....	234	.0783	4.214	357	.0776	2.857	228	.079	15.18
1887....	222	.0723	8.783	490	.0715	4.548	206	.0785	12.04

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATE.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870....	310	\$394,168	23,237	554	\$667,380	1,252	126	\$43,402	990	\$1,104,950
1880....	886	1,651,271	83,707	1,013	787,503	1,628	288	129,281	2,387	2,568,005
1887....	840	1,317,939	76,369	1,966	1,974,152	2,911	266	84,583	3,062	3,376,624

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	225	\$214,145	85	\$180,023	435	\$517,907	124	\$149,473	122	\$41,935	4	\$1,467
1880....	685	1,392,021	101	259,250	849	583,115	164	202,388	259	119,068	29	9,563
1887....	715	1,063,033	125	264,906	1,174	1,332,993	782	611,159	262	81,912	14	2,621

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	16,943	6,294	23,237	266,135	8.74	\$48.04	\$16.96
1880.....	78,206	5,499	83,707		31.45		19.73
1887.....	68,751	6,618	75,369		28.32		17.49

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$10,669,679
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,373,412
Home value of farm products for one year (1879) †.....	\$1,542,518

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**SALINE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Saline County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	56	\$18,527	3,928	....	128	\$37,823	8,296	....	224	\$71,527	16,247	....
Lots.....	2	983	.....	2	27	12,579	.....	45	38	12,702	.....	58
Total Real Est.	58	\$19,510	3,928	2	155	\$50,302	8,296	45	262	\$84,229	16,247	58
Chattels.....	72	10,166	.....	141	17,814	.....	336	38,971	.....	.....	.....	.....
Totals.....	130	\$29,676	3,928	2	296	\$67,516	8,296	45	588	\$123,200	16,347	58

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	51	\$15,105	5	\$2,854	2	\$983	.....	.....	72	\$10,166	.....	.....
1880....	111	31,900	17	5,723	23	11,185	4	\$1,894	140	17,254	1	\$30
1887....	218	68,967	6	2,560	38	11,477	5	1,225	325	38,968	1	110

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	43	\$6,429	.....	.....	.....	.....	1	\$100	21	\$2,540	6	\$597	.....	.....	1	\$509
1880....	90	6,483	.....	.....	2	\$300	6	2,488	21	3,128	15	1,557	1	\$60	6	3,335
1887....	264	22,574	.....	.....	1	500	10	2,353	18	969	7	782	1	110	30	11,638

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	4	\$1,800	25	5	4	\$1,800	25	5

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
2	\$2,800	160	1	28	\$21,708	3,359	3	97	\$75,500	\$11,633	2

## SALINE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	56	.0998	1.658	2	.10	2.381	72	.10	9.97
1880.....	128	.0782	1.446	27	.0855	2.381	141	.0785	11.04
1887.....	224	.0765	2.145	38	.0769	1.27	836	.0781	9.83

## Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	93	\$32,212	6,513	5	\$2,357	5	60	\$9,290	158	\$43,869
1880.....	185	56,591	11,996	64	31,231	107	129	17,182	378	104,943
1887.....	440	159,294	34,850	43	16,752	71	266	84,886	794	210,432

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	85	\$28,151	8	\$4,091	5	\$2,357	.....	.....	60	\$9,290	.....	.....
1880....	160	47,984	25	8,592	54	27,764	10	\$3,467	124	17,130	1	\$62
1887....	467	153,558	13	5,786	42	15,144	6	1,088	266	84,283	1	103

## Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	5,984	572	6,513	236,100	2.75		\$4 95
1880.....	10,950	1,946	11,996		5.08	\$20 37	4 71
1887.....	33,928	922	34,850		14.76		4 57

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock + .....	\$2,512,864
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$179,208
Home value of farm products for one year (1871) + .....	\$391,418

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**SANGAMON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Sangamon County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	164	\$306,557	15,248	....	*304	\$641,315	26,984	....	+398	\$306,170	30,909	....
Lots .....	151	205,099	.....	815	895	426,686	.....	681	746	647,493	.....	1,075
Total Real Est.	315	\$511,656	15,248	315	699	\$1,068,151	26,984	681	1,144	\$1,453,663	30,909	1,075
Chattels .....	257	129,701	.....	....	797	199,005	.....	....	907	219,058	.....	....
Totals .....	572	\$641,357	15,248	315	1,496	\$1,256,956	26,984	681	2,051	\$1,782,721	30,909	1,075

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	144	\$223,369	21	\$28,188	142	\$199,783	9	\$5,316	241	\$124,140	16	\$5,361
1880....	283	680,938	6	10,327	333	848,709	62	39,867	529	150,115	284	38,490
1887....	872	747,693	26	53,477	433	872,777	318	274,716	732	222,500	175	56,556

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	174	\$74,237	19	\$5,188	29	\$27,823	6	\$5,210	17	\$7,842	3	\$4,921	3	\$850	6	\$2,638
1880....	308	87,753	255	27,854	37	15,619	10	3,574	29	9,294	12	8,607	125	23,116	21	13,130
1887....	529	178,353	200	29,100	44	21,339	42	21,774	24	10,942	1	800	51	5,957	16	10,736

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
57	\$37,887	15	78	267	\$289,087	120	299	1,373	\$1,229,367	617	1,373

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
7	\$20,430	630	6	23	\$65,294	2,227	25	66	\$187,851	6,407	1

\* One mortgage \$200,000—5 years—7 per cent. on Rolling Mill property.

+ One mortgage \$100,000—20 years—7 per cent., on Watch Factory property.

## SANGAMON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	164	.0985	2.283	151	.096	2.635	257	.0995	11.85
1880.....	304	.0757	4.075	395	.0785	4.12	797	.0801	10.75
1887.....	398	.0719	3.969	746	.0737	3.849	907	.0794	11.91

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	375	\$734,337	36,71	298	\$566,107	890	154	\$140,818	927	\$1,441,263
1880.....	1,239	2,712,265	109,960	1,627	1,824,974	3,284	714	182,874	3,580	4,720,113
1887.....	1,580	3,814,558	122,678	2,496	2,248,362	3,600	899	293,948	4,977	5,861,868

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	329	\$586,332	46	\$198,005	248	\$551,389	150	\$14,718	138	\$133,777	16	\$7,041
1880.....	1,215	2,698,869	24	43,896	1,372	1,654,523	255	170,452	474	145,202	240	37,673
1887.....	1,477	3,072,593	108	241,963	1,450	1,286,057	1,048	968,905	725	234,202	174	64,746

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the country.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	32,574	4,187	36,711	550,750	6.68		\$20 00
1880.....	107,344	2,616	109,960		19.98	\$44 45	24 85
1887.....	117,768	4,910	122,678		22.27		27 01

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$25,142,546
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$3,495,631
Home value of farm products for one year (1879†.....)	\$3,830,137

\* State Auditor's Report. 1867.

† United States Census Report, 1880.

**SCHUYLER COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Schuyler County.

SUMMARIES FROM THE RECORDS.

**Recapitulation of Totals—By Years and Classes.**

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	109	\$74,255	9,890	...	221	\$155,578	20,172	...	232	\$232,536	25,372	...
Lots.....	28	13,930	.....	40	33	15,532	.....	79	60	34,203	.....	113
Total Real Est.	135	\$88,190	9,890	40	254	\$171,110	20,172	79	292	\$266,739	25,272	113
Chattels.....	106	31,832	.....	...	130	29,508	.....	...	204	54,919	.....	...
Totals.....	241	\$120,022	9,890	40	384	\$200,618	20,172	79	496	\$321,658	25,272	113

**Mortgages for Loans and for Deferred Payments of Purchase Money.**

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	83	\$55,883	26	\$18,372	19	\$7,029	7	\$6,906	104	\$31,612	2	\$220
1880....	178	125,588	43	29,990	27	13,088	6	2,444	114	27,446	16	2,063
1887....	197	189,673	35	42,863	32	20,407	28	13,796	178	43,967	26	10,952

**Classification of Chattel Mortgages.**

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	88	25,083	1	\$200	.....	.....	2	\$468	12	\$1,756	1	\$300	.....	.....	2	\$4,125
1880.....	97	19,610	1	300	1	\$1,000	6	3,509	11	2,618	3	1,916	11	\$556	.....	.....
1887.....	173	44,355	5	464	5	3,385	10	4,461	6	1,202	.....	.....	1	70	4	962

**Totals of Mortgages given to Building and Loan Associations.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	15	\$6,805	.....	22	60	\$27,220	.....	88

**Totals of Mortgages executed to Non-Residents of the State.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
5	\$4,826	570	25	8	\$12,235	926	9	22	\$33,438	2,581	25

## SCHUYLER COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	109	.0962	1.781	26	.0974	1.664	106	.0908	12.15
1880....	221	.0773	2.096	83	.0789	1.827	130	.0809	12.78
1887....	232	.0764	2.943	60	.0796	2.42	204	.0788	13.68

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	194	\$188,610	17,614	28	\$15,549	42	107	\$35,145	829	\$189,804
1880. ....	463	328,533	42,290	44	21,424	105	187	33,835	644	393,792
1887. ....	683	710,405	74,375	135	36,061	278	233	67,547	1,051	864,103

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	160	\$104,374	34	\$34,236	21	\$7,981	7	\$7,618	105	\$34,900	2	\$245
1880....	406	273,196	57	65,337	36	14,060	8	3,364	120	31,467	17	2,368
1887....	589	579,764	94	130,781	67	51,378	68	34,683	203	54,105	30	13,442

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	14,529	3,083	17,614	277,654	6.34		\$7.87
1880. ....	36,335	5,925	42,260		15.22	\$36.14	8.01
1887. ....	66,948	7,967	74,375		26.78		9.56

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$6,678,250
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$765,040
Home value of farm products for one year (1879) †.....	\$1,555,549

\*State Auditor's Report, 1887.

†United States Census Report, 1880.



**SCOTT COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Scott County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts.
Lands.....	86	\$108,362	7,201	.....	49	\$85,104	4,087	.....	89	\$186,214	8,504	.....
Lots.....	45	40,335	.....	101	13	5,770	.....	18	44	22,126	.....	116
Total Real Est	131	\$148,720	7,201	101	62	\$90,874	4,087	18	133	158,340	8,504	116
Chattels.....	97	28,843	.....	.....	124	35,635	.....	.....	201	51,672	.....	.....
Totals.....	228	\$177,063	7,201	101	186	\$126,509	4,087	18	334	\$210,012	8,504	116

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	83	\$101,062	3	\$7,300	27	\$23,771	18	\$16,587	83	\$24,875	14	\$3,538
1880....	38	66,807	11	18,297	10	4,529	3	4,529	109	32,468	15	3,169
1887....	75	117,145	14	19,069	83	19,327	16	5,144	164	41,551	37	10,121

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IM- PLEMENTS.		HOUSE- HOLD GOODS.		MER- CHANDISE AND FIX- TURES.		MACHIN- ERY AND TOOLS.		GROW- ING CROPS.		GAR- NERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCEL- LANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	59	\$15,789	6	\$1,406	9	\$3,027	2	\$435	17	\$6,116	1	\$300	2	\$320	1	\$1,000
1880....	57	12,725	8	753	13	7,782	5	2,151	30	10,658	4	85	4	500	3	206
1887....	125	25,840	9	725	17	4,430	.....	.....	41	17,417	2	730	6	1,840	1	700

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	11	\$2,799	.....	21	55	\$13,985	.....	105

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	3	\$1,635	200	.....	6	\$3,443	421	.....

## SCOTT COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	86	.0991	1.839	45	.0999	1.33	97	.10	10.37
1880....	49	.0787	1.56	13	.08	1.585	124	.06	12.63
1887....	89	.0787	3.432	41	.0782	2.419	201	.0799	10.37

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	158	\$20,152	13,243	60	\$36,357	134	83	\$26,943	301	\$292,452
1880.....	76	137,946	6,298	20	9,511	29	130	40,512	226	188,009
1887.....	305	485,882	29,186	106	55,616	281	173	48,221	584	589,719

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	152	\$194,512	7	\$14,640	58	\$33,195	2	\$23,162	71	\$23,576	12	\$3,367
1880....	40	108,319	36	29,667	20	9,511	.....	.....	114	36,906	16	3,006
1887....	252	417,853	53	68,021	67	42,657	39	12,959	141	38,770	32	9,451

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	12,656	567	13,243	159,485	8.3	\$49 91	\$15 79
1880.....	5,944	1,354	6,298		3.95		21 91
1887.....	26,100	4,086	29,186		15.3		16 65

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$6,094,461
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$509,993
Home value of farm products for one year (1879)†.....	\$968,330

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**SHELBY COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Shelby County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	268	\$308,678	25,590	...	271	\$320,304	20,688	...	418	\$317,006	29,246	...
Lots .....	36	42,819	...	60	85	41,012	...	146	296	134,922	...	499
Total Real Est.	304	\$350,997	25,590	60	356	\$361,316	20,688	146	716	\$451,928	29,246	499
Chattels.....	200	67,578	...	...	331	94,818	...	...	532	108,147	...	...
Totals.....	504	\$418,575	25,590	60	687	\$356,129	20,688	146	1,248	\$560,075	29,246	499

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	222	\$249,662	46	\$25,590	25	\$23,900	11	\$18,419	178	\$52,615	32	\$14,963
1880....	251	198,436	30	21,868	53	24,067	32	16,915	302	75,613	29	19,200
1887....	407	308,561	11	8,455	96	34,984	202	59,938	489	85,889	43	22,256

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	178	\$48,461	...	...	3	\$5,800	9	\$10,004	6	\$973	2	\$2,340	...	...	2	\$600
1880.....	276	60,633	5	\$1,207	...	...	6	4,158	29	8,850	12	12,596	...	...	3	7,350
1887.....	500	98,083	5	1,855	2	2,250	7	4,520	3	967	1	100	6	\$706	8	4,667

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
18	\$15,000	.....	40	197	\$97,650	.....	321	816	\$404,564	.....	1,330

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
9	\$12,800	730	.....	16	\$29,360	657	3	68	\$124,721	2,791	13

\* Twenty-four mortgages aggregating \$24,559, on 2,627 acres of land; average interest, 18.3 per cent.; lowest, 12 per cent.; highest, 36 per cent.

† One mortgage, \$1,800, 5 years, 6 per cent. interest, payable in gold.

## SHELBY COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	268	.0684	2.145	38	.10	1.874	200	.0689	11.26
1880.....	271	.0752	3.308	85	.0800	3.132	331	.0794	13.63
1887.....	418	.0712	3.761	298	.0757	5.711	532	.0797	13.84

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	575	\$298,035	54,891	67	\$23,271	112	197	\$69,688	829	\$345,994
1880.....	896	756,188	68,419	266	133,627	457	375	116,242	1,537	1,006,087
1887.....	1,512	1,234,704	109,994	1,702	799,704	2,850	591	129,631	3,865	2,164,089

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	476	\$685,514	99	\$57,521	46	\$47,049	21	\$36,232	166	\$54,339	21	\$15,399
1880....	890	641,307	66	74,861	196	78,578	100	55,051	342	92,645	33	23,597
1887....	1,531	1,301,367	41	33,337	549	207,921	1,153	591,783	543	102,967	48	26,714

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	46,163	8,728	54,891	480,494	14.42	\$26.57	\$12.63
1880.....	62,977	5,442	68,419		14.24		11.06
1887.....	107,512	2,482	109,994		22.89		11.23

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$12,364,816
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$1,357,221
Home value of farm products for one year 1879) † .....	\$2,519,286

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**STARK COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Stark County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	184	\$250,715	12,982	....	178	\$380,590	15,768	....	128	\$258,109	11,966	....
Lots.....	84	21,583	.....	68	82	15,817	.....	64	39	16,812	.....	92
Total Real Est.	168	\$272,298	12,982	68	206	\$348,907	15,768	64	167	\$274,431	11,966	92
Chattels.....	152	50,921	.....	182	40,901	.....	129	.....	.....	51,348	.....	.....
Totals.....	320	\$323,219	12,982	68	387	\$389,808	15,768	64	296	\$325,669	11,966	92

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	82	\$163,94	52	\$146,70	27	\$14,266	9	\$7,375	184	\$38,240	18	\$12,681
1880....	148	279,463	27	54,157	23	10,842	9	4,475	137	30,458	15	10,443
1887....	115	229,822	14	28,281	32	10,887	7	5,425	113	44,087	16	7,161

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	128	\$41,561	2	\$500	7	\$4,243	2	\$976	10	\$3,275	.....	.....	1	\$200	2	\$166
1880....	98	24,748	1	29	5	3,683	1	2,000	17	6,058	5	\$2,800	3	182	2	1,391
1887....	108	40,160	1	37	5	6,076	1	650	9	2,651	3	984	1	113	6	577

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
12	\$15,089	868	2	4	\$5,250	368	.....	20	\$20,751	1,805	.....

\* No mortgages of this class recorded.

## STARK COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	134	.0979	3.062	34	.10	1.375	152	.0971	14.88
1880....	173	.0797	3.968	32	.08	2.198	132	.0811	13.81
1887....	129	.0695	4.22	39	.078	1.496	129	.0796	14.6

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	410	\$805,267	39,568	47	\$31,161	93	187	\$69,276	644	\$905,704
1880. ....	686	1,376,434	62,548	70	35,014	141	151	50,881	907	1,462,329
1887. ....	544	1,127,070	50,497	58	25,387	137	156	67,821	758	1,219,728

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	251	\$333,757	159	\$471,510	35	\$20,536	12	\$10,625	165	\$51,958	22	\$17,818
1880....	587	1,153,452	99	222,962	50	24,790	20	10,224	134	37,906	17	12,975
1887....	489	1,008,092	55	123,978	48	16,891	10	8,446	137	57,896	19	9,425

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	24,686	14,912	39,596	180,948	21.88	\$52.64	\$23.86
1880. ....	53,876	8,672	62,548		34.56		22.01
1887. ....	84,563	3,287	50,497		27.90		22.32

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$10,000,890
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,179,836
Home value of farm products for one year (1879)† .....	\$1,001,597

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**ST. CLAIR COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in St. Clair County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	252	\$459,569	19,631	....	197	\$379,008	15,572	....	259	\$482,989	18,704	....
Lots .....	826	360,824	.....	788	272	257,844	.....	695	614	567,818	.....	1,154
Total Real Est.	578	\$820,393	19,631	788	469	\$636,852	15,572	695	873	\$1,050,807	18,704	1,154
Chattels .....	266	118,091	.....	....	256	95,187	.....	....	479	158,437	.....	....
Totals .....	843	\$938,484	19,631	788	727	\$732,039	15,572	695	1,352	\$1,189,244	18,704	1,154

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	240	\$435,505	12	\$24,064	263	\$325,027	63	\$35,797	253	\$117,029	12	\$1,062
1880....	184	344,981	13	34,027	256	244,854	16	12,990	202	98,036	56	7,161
1887....	231	380,390	23	82,599	474	441,951	140	125,867	234	116,384	195	42,053

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.	No.	Amt's.
1870....	194	\$76,177	21	\$14,518	12	\$11,947	5	\$2,126	29	\$11,523	1	\$400	....	....	3	\$1,400
1880....	185	48,368	12	3,001	20	9,087	19	8,401	57	21,337	1	600	9	\$1,368	5	3,025
1887....	331	99,272	27	8,992	14	13,154	16	12,004	83	28,279	....	....	8	1,736	....	....

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
1	\$250	.....	2	59	\$84,567	234	89	157	\$225,456	634	236

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
8	\$24,850	575	11	18	\$31,808	566	15	45	\$79,266	1,410	37

## ST. CLAIR COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	262	.0969	2.495	328	.0976	2.609	265	.0966	12.82
1880....	197	.0745	2.384	272	.0743	2.55	268	.0789	11.33
1887....	259	.0702	2.543	614	.0728	3.071	479	.0751	14.02

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	629	\$1,202,178	48,979	850	\$987,330	2,056	282	\$189,349	1,761	\$2,327,857
1880.....	470	987,212	37,124	694	681,928	1,772	244	96,971	1,408	1,716,111
1887.....	659	1,218,707	47,564	1,886	1,807,242	3,544	559	199,007	3,104	3,224,956

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	569	\$1,189,883	30	\$62,295	686	\$889,585	164	\$97,745	269	\$137,104	13	\$1,245
1880....	439	852,363	31	84,349	653	647,832	41	34,096	191	89,643	53	7,273
1887....	588	1,001,777	71	216,960	1,456	1,406,035	430	401,207	331	146,270	228	52,787

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	47,437	1,542	48,979	413,717	11.84	\$65 41	\$24 54
1880.....	35,196	1,326	37,124		8.97		25 25
1887.....	43,857	3,707	47,564		11.49		25 62

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$21,454,069
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,343,403
Home value of farm products for one year (1879)†.....	\$4,002,385

\*State Auditor's Report, 1887.

† United States Census Report, 1880.



**STEPHENSON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Stephenson County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	422	\$476,282	34,433	....	422	\$509,561	28,901	....	*310	\$512,688	23,829	....
Lots .....	241	184,486	.....	497	219	164,127	.....	478	320	272,716	.....	562
Total Real Est.	663	\$660,718	34,433	497	641	\$673,688	28,901	478	630	\$785,399	23,829	562
Chattels .....	231	120,869	.....	....	216	78,087	.....	....	280	78,641	.....	....
Totals .....	894	\$781,587	34,433	497	857	\$751,775	28,901	478	890	\$864,040	23,829	562

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	319	\$287,748	108	\$188,584	173	\$126,089	68	\$58,897	214	\$113,765	17	\$7,104
1880....	353	393,588	69	115,973	153	123,314	66	35,813	184	71,922	32	6,165
1887....	264	431,393	46	81,390	195	166,796	125	106,930	236	63,980	34	9,711

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	157	\$56,350	7	\$2,142	14	\$26,022	12	\$16,164	16	\$5,721	20	\$11,870	2	\$100	3	\$2,300
1880....	136	31,814	10	4,257	14	9,360	23	21,967	11	6,973	6	2,081	15	1,580	1	50
1887....	183	50,710	10	4,580	14	6,069	17	7,686	9	4,373	9	1,961	17	2,451	1	806

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	56	\$46,985	42	70	280	\$234,925	210	250

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
9	\$16,208	1,042	7	6	\$7,054	555	2	29	\$33,676	2,650	10

\* One mortgage on 80 acres of land, no amount, to secure payment of \$30 semi-annually, and 5 bushels of potatoes annually to mortgagee during her lifetime.

## STEPHENSON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	422	.0941	3.064	241	.0982	2.568	281	.0996	15.17
1880....	422	.0785	3.906	219	.0778	2.985	216	.0746	16.67
1887....	810	.0678	2.992	320	.0704	3.71	260	.0783	13.15

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATE.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870....	1,293	\$1,537,989	105,503	619	\$496,587	1,276	291	\$168,010	2,203	\$2,192,586
1880....	1,648	2,066,476	112,887	654	588,977	1,427	300	117,106	2,602	2,682,559
1887....	1,238	2,116,012	95,125	1,187	1,047,890	2,163	284	92,919	2,709	3,256,321

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts.
1870....	977	\$916,765	316	\$811,224	444	\$339,596	175	\$157,291	270	\$158,098	21	\$9,912
1880....	1,434	1,597,386	214	469,090	457	394,020	197	110,957	256	107,855	44	9,351
1887....	1,064	1,779,565	184	836,447	724	687,613	463	409,776	247	81,897	37	11,522

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. of mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	81,849	23,654	105,503	354,600	29.75		\$14.47
1880.....	99,775	19,112	112,887		31.83	\$49.49	18.31
1887.....	85,884	9,241	95,125		26.88		22.24

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$17,542,296
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$2,175,985
Home value of farm products for one year (1879) †.....	\$2,498,485

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**TAZEWELL COUNTY**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Tazewell County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSER.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	331	\$352,049	33,259	.....	249	\$418,051	22,229	.....	246	\$554,255	24,140	.....
Lots.....	175	137,097	.....	352	117	70,816	.....	275	189	115,153	.....	356
Total Real Est.	506	\$789,146	33,259	352	366	\$494,869	22,229	275	435	\$669,408	24,140	356
Chattels.....	278	116,230	.....	.....	198	81,871	.....	.....	383	116,897	.....	.....
Totals.....	784	\$905,376	33,259	352	564	\$576,740	22,229	275	773	\$786,305	24,140	356

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	351	\$483,156	55	\$168,893	143	\$106,881	32	\$30,216	273	\$114,753	5	\$1,477
1880....	214	348,473	85	69,573	101	67,014	16	9,304	187	78,093	11	3,773
1887....	216	426,447	30	127,308	98	53,793	91	61,360	304	96,546	34	20,351

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	207	\$72,987	6	\$1,438	18	\$15,423	2	\$3,500	25	\$13,279	4	\$3,354	.....	.....	16	\$6,250
1880....	142	\$8,175	5	282	10	17,610	8	2,444	30	5,574	4	3,747	2	576	7	13,463
1887....	263	85,907	6	5,158	6	1,790	14	8,123	33	6,195	4	1,094	5	636	17	8,344

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	78	\$46,975	80	103	341	\$219,135	373	481

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
28	\$62,141	3,164	8	28	\$46,530	2,420	11	105	\$188,498	9,808	45

## TAZEWELL COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of Each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	331	.0669	2.095	175	.0686	1.505	278	.069	13.84
1880....	249	.0766	3.691	117	.077	2.692	198	.0767	9.6
1887....	246	.07	3.871	189	.071	3.044	336	.0784	12.65

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	693	\$1,432,327	69,678	263	\$216,503	530	297	\$136,680	1,253	\$1,785,410
1880. ....	919	1,802,124	82,047	315	213,358	740	159	70,525	1,393	1,884,007
1887. ....	952	2,230,614	93,446	575	362,970	1,084	355	132,865	1,882	2,716,469

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870 ...	578	\$1,059,848	115	\$373,379	215	\$163,873	48	\$47,030	292	\$184,885	5	\$1,795
1880....	790	1,336,171	129	265,933	273	187,323	49	26,030	150	67,241	9	3,244
1887....	836	1,707,652	116	512,962	298	170,597	277	192,373	321	109,763	34	23,122

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	58,128	11,550	69,678	411,381	16.94	\$47.18	\$25.55
1880. ....	68,638	13,409	82,047		19.94		19.53
1887. ....	77,296	16,150	93,446		22.71		23.76

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$16,432,597
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$2,317,254
Home value of farm products for one year (1879)† .....	\$2,671,874

\*State Auditor's Report, 1887.

†United States Census Report, 1870.

**UNION COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Union County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	90	\$74,084	6,387	...	*128	\$78,957	13,169	...	142	\$82,066	13,077	...
Lots .....	25	16,878	...	59	40	26,893	...	79	75	36,678	...	118
Total Real Est.	115	\$90,962	6,387	59	168	\$105,550	13,169	79	217	\$118,744	13,077	118
Chattels .....	46	9,725	...	...	158	41,270	...	...	244	49,635	...	...
Totals .....	161	\$100,687	6,387	59	326	\$146,821	13,169	79	461	\$168,379	13,077	118

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	60	\$25,214	30	\$33,270	19	\$18,278	6	\$3,600	41	\$3,752	5	\$973
1880....	101	52,955	27	25,702	81	23,191	9	4,699	137	32,749	21	8,522
1887....	116	57,775	26	24,291	45	21,672	30	15,006	206	41,793	36	7,842

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARBERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Amt's.	No.	Amt.	No.	Amt.	No.	Amt.	No.	Amt.	No.	Amt.	No.	Amt.	No.	Amt.
1870.....	36	\$5,742	2	\$90	1	\$500	1	\$1,600	5	\$793	1	\$1,000	...	...	...	...
1880.....	90	18,632	9	1,024	+10	6,207	10	8,967	33	5,640	2	342	2	\$120	2	\$459
1887.....	185	28,931	5	345	10	3,427	14	8,448	24	7,802	...	...	6	682	...	...

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	24	\$14,050	128	27	72	\$42,150	334	81

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
12	\$16,788	2,436	.....	7	\$10,334	345	6	21	\$31,333	1,046	13

\*One mortgage on 100 acres of land to secure delivery of 25 bushels of wheat, 1 load of corn, load of oats, load of hay, 1 pork hog, and one-fourth of orchard products to mortgagee annually during life.

+One mortgage for \$2 on stock of undertaker's goods.

## UNION COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELNS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	90	.0986	2.114	25	.099	1.452	46	.0998	16.79
1880....	128	.0768	2.572	40	.0769	2.691	158	.0792	13.86
1887....	142	.0753	2.894	75	.0797	3.612	244	.0792	14.86

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELNS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	190	\$164,334	13,896	36	\$35,720	86	64	\$14,957	290	\$205,011
1880.....	329	210,075	33,871	108	75,152	213	182	51,440	619	386,667
1887.....	411	246,441	87,845	271	137,760	426	303	66,329	984	450,530

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELNS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	127	\$74,123	63	\$90,211	27	\$30,242	9	\$5,478	57	\$13,461	7	\$1,496
1880....	260	141,390	69	64,685	82	62,000	26	13,152	158	40,843	24	10,567
1887....	336	173,494	75	72,947	163	81,279	108	56,481	257	55,849	45	10,480

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	8,900	4,496	13,396	227,973	5.88	\$29.88	\$12.27
1880.....	27,593	6,278	33,871		14.86		6.20
1887.....	31,238	6,607	37,845		16.6		6.51

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$ 3,830,183
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$235,105
Home value of farm products for one year (1879).....	\$943,636

\* State Auditor's Report, 1867.

† United States Census Report, 1880.

**VERMILION COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Vermilion County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	340	\$492,804	37,551	.....	*453	\$501,891	34,846	.....	538	\$639,650	36,193	.....
Lots.....	78	52,523	.....	142	230	158,244	.....	304	550	427,809	.....	756
Total Real Est.	413	\$545,327	37,551	142	673	\$660,135	34,846	804	1,088	\$1,067,459	36,193	756
Chattels.....	160	69,736	.....	.....	647	118,724	.....	.....	711	146,680	.....	.....
Totals.....	573	\$615,063	37,551	142	1,320	\$778,859	34,846	304	1,799	\$1,214,139	36,193	756

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	210	\$352,993	103	\$139,811	39	\$34,159	34	\$18,364	145	\$56,686	15	\$13,051
1880....	407	455,854	46	46,037	159	114,117	61	41,127	551	90,477	96	28,347
1887....	450	509,881	88	129,769	226	142,181	324	235,628	614	131,942	97	14,736

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	124	\$53,377	11	\$4,180	11	\$5,254	2	\$4,700	9	\$1,729	.....	.....	.....	.....	3	\$496
1880.....	472	86,638	15	2,758	9	3,078	5	1,521	73	11,102	7	\$3,617	65	\$7,630	1	350
1887.....	505	105,132	48	5,194	39	17,244	4	218	14	4,052	4	2,042	92	11,079	5	1,724

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
33	\$31,233	122	37	330	\$288,752	656	349	1,515	\$1,366,663	3,105	1,622

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
80	\$139,915	6,881	26	101	\$157,595	8,178	25	417	\$649,922	33,725	103

\* One mortgage, \$50,000, 9 months, 6 per cent., on 3,630 acres of land. One mortgage, \$21,000, 5 years, 8 per cent., on 40 acres of land.

## VERMILION COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	340	.0974	8.061	73	.10	1.846	160	.0973	11.54
1880....	453	.0741	2.923	220	.0765	2.968	647	.0792	10.23
1887....	538	.0692	8.955	550	.0708	5.191	711	.0783	11.6

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	1,087	\$1,576,767	114,568	135	\$101,905	262	154	\$73,584	1,326	\$1,752,156
1880.....	1,324	1,521,380	101,855	654	487,633	902	551	109,125	2,528	2,113,188
1887.....	2,128	2,617,348	143,143	2,855	2,299,871	3,924	687	152,875	5,670	5,069,594

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	723	\$1,130,542	314	\$446,225	72	\$66,174	63	\$35,631	140	\$59,823	14	\$13,761
1880.....	1,190	1,361,413	131	139,967	472	351,583	181	136,050	469	83,154	82	25,971
1887.....	1,780	2,066,026	348	531,322	1,173	766,458	1,682	1,582,913	593	137,587	94	15,288

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	87,124	27,444	114,568	564,183	20.3	\$31 70	\$13 76
1880.....	94,042	7,813	101,855		18.05		14 95
1887.....	123,556	19,587	143,143		25.36		18 29

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$18,885,396
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$2,726,923
Home value of farm products for one year (1879)†.....	\$3,359,835

\*State Auditor's Report, 1887.

† United States Census Report, 1880.



**WABASH COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Wabash County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	80	\$59,903	5,812	...	106	\$75,438	7,757	...	182	\$72,474	7,745	...
Lots .....	46	81,475	...	51	50	82,194	...	81	125	45,866	...	144
Total Real Est.	126	\$91,878	5,812	51	156	\$107,621	7,757	81	257	\$118,340	7,745	144
Chattels.....	36	10,697	...	...	119	18,969	...	...	173	26,935	...	...
Totals.....	162	\$102,075	5,812	51	275	\$126,590	7,757	81	430	\$145,275	7,745	144

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELLES.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	69	\$46,353	11	\$13,550	40	\$26,025	6	\$5,450	33	\$7,597	3	\$3,100
1880....	76	38,444	30	36,979	39	20,626	11	2,572	105	15,411	14	3,558
1887....	107	52,740	25	19,684	64	16,978	57	28,888	146	18,244	27	8,651

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	29	\$3,566	...	...	5	\$1,400	...	...	2	\$731	...	...	...	...	...	...
1880.....	66	9,941	3	137	1	3,000	...	...	48	5,861	1	\$30	...	...	...	...
1887.....	134	20,318	7	855	5	2,280	...	...	21	2,412	...	...	4	\$368	2	\$752

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	36	\$21,750	.....	38	180	\$108,750	.....	190

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
8	\$28,498	1,810	1	12	\$7,881	557	5	38	\$24,738	1,748	16

## WABASH COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	80	.0995	2.147	46	.10	1.46	36	.10	10.62
1880.....	106	.0799	3.292	50	.08	1.444	119	.08	10.14
1887.....	132	.0795	2.33	125	.0798	3.343	163	.08	13.67

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	172	\$135,016	12,478	67	\$48,251	74	32	\$10,408	271	\$193,669
1880.....	349	258,212	25,586	72	48,354	117	100	17,313	521	324,879
1887.....	308	175,576	18,046	418	159,448	481	197	33,144	923	368,165

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	148	\$104,363	24	\$30,647	58	\$40,049	9	\$3,202	29	\$7,389	3	\$3,019
1880.....	250	131,688	99	128,524	56	44,486	16	3,868	88	14,058	12	3,255
1887.....	250	127,819	58	47,757	227	58,997	191	100,451	166	22,505	31	10,639

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	10,782	1,696	12,478	187,515	9.07		\$18 20
1880.....	18,537	11,999	25,536		18.57	\$32 21	10 11
1887.....	13,803	4,243	18,046		13.12		9 73

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$2,897,933
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$200,560
Home value of farm products for one year (1879)†.....	\$766,896

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**WARREN COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Warren County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	187	\$370,831	18,074	....	205	\$378,460	17,805	....	218	\$369,431	21,361	....
Lots.....	64	61,379	.....	103	80	72,195	.....	115	127	84,977	.....	190
Total Real Est.	251	\$432,200	18,074	103	285	\$445,655	17,805	115	345	\$454,408	21,351	190
Chattels.....	205	82,299	.....	....	336	120,951	.....	....	342	127,892	.....	....
Totals.....	456	\$514,499	18,074	103	621	\$566,606	17,805	115	687	\$582,300	21,361	190

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	159	\$295,090	28	\$35,731	63	\$57,379	1	\$4,000	180	\$76,795	25	\$5,504
1880....	196	350,366	7	23,094	76	68,469	4	3,726	305	115,283	31	5,668
1887....	197	336,138	21	33,293	96	65,497	31	19,480	297	113,410	45	14,432

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	163	\$57,414	1	\$500	8	\$2,697	5	\$1,695	16	\$10,516	5	\$3,307	1	\$165	6	\$1,005
1880....	257	98,083	19	1,995	9	2,337	10	1,435	24	12,737	15	9,199	2	215	.....	.....
1887....	238	107,193	13	624	22	10,955	.....	.....	13	5,560	3	2,575	2	850	1	135

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	30	\$15,730	.....	38	180	\$94,380	.....	238

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
12	\$34,305	950	6	18	\$76,843	3,900	7	65	\$276,635	14,040	35

## WARREN COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	187	.0975	1.993	64	.0993	1.695	205	.0992	14.89
1880....	206	.0802	3.049	80	.0799	4.657	336	.0793	13.04
1887....	218	.0731	3.357	127	.0756	2.848	342	.0798	11.31

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870. ....	373	\$775,074	36,021	106	\$109,202	174	255	\$112,246	736	\$996,522
1880. ....	625	1,184,841	54,287	373	349,644	536	365	141,852	1,363	1,675,337
1887. ....	732	1,233,509	71,709	362	251,162	541	337	135,916	1,431	1,672,537

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	317	\$596,808	56	\$173,266	106	\$102,104	2	\$7,098	224	\$104,794	31	\$7,462
1880....	604	1,110,912	21	73,429	354	331,463	19	18,181	331	135,185	34	6,667
1887....	662	1,169,813	70	115,696	274	193,395	83	57,767	293	120,557	44	15,359

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	30,717	5,304	36,021	388,406	10.61	\$42.02	\$21.52
1880. ....	51,857	2,970	54,287		16.04		21.82
1887. ....	66,841	5,868	71,709		21.19		17.93

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$15,012,483
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$1,399,427
Home value of farm products for one year (1879) †.....	\$1,993,094

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**WASHINGTON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Washington County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	*233	\$340,381	21,789	....	†448	\$250,004	26,772	....	229	\$232,272	22,310	....
Lots .....	48	27,847	....	105	75	35,768	....	167	79	41,006	....	291
Total Real Est. ....	281	\$367,768	21,789	105	423	\$285,767	26,772	167	308	\$273,278	22,310	291
Chattels. ....	167	83,704	....	....	126	33,368	....	....	294	76,013	....	....
Totals. ....	448	\$451,532	21,789	105	549	\$419,135	26,772	167	602	\$349,291	22,310	291

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	179	\$256,089	54	\$34,292	24	\$18,879	24	\$3,508	158	\$79,624	9	\$4,140
1880....	278	234,254	70	115,750	59	29,996	16	5,167	103	23,231	23	10,137
1887....	190	176,713	39	55,559	49	26,057	30	14,949	261	57,703	38	18,310

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	118	\$48,601	1	\$1,500	4	\$11,071	4	\$2,186	28	\$13,769	8	\$3,632	2	\$795	2	\$2,000
1880....	71	19,413	....	....	6	3,208	1	800	40	8,841	1	75	7	1,031	....	....
1887....	177	45,479	8	527	5	4,645	4	1,310	93	21,921	4	1,915	2	116	1	100

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	18	\$3,370	20	24	90	\$41,850	100	130

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
14	\$20,950	1,682	.....	53	\$79,152	6,933	.....	240	\$351,999	30,831	.....

\* One mortgage on 40 acres of land to secure the payment of all mortgagee's debts and funeral expenses "without discount or defalcation."

† Eight second mortgages recorded, aggregating \$19,480.

## WASHINGTON COUNTY -CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	238	.0988	3.189	48	.0978	1.964	167	.0997	16.6
1880.....	848	.0769	2.89	75	.0786	2.124	126	.0807	17.5
1887.....	229	.0712	3.991	79	.0779	3.885	234	.0784	15.59

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	742	\$1,189,097	70,828	94	\$56,418	206	231	\$127,420	1,067	\$1,322,985
1880.....	1,036	1,049,890	77,871	139	78,954	355	184	52,596	1,379	1,181,449
1887.....	914	959,999	68,640	308	163,333	1,116	382	106,489	1,599	1,229,871

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	570	\$254,823	172	\$294,774	47	\$36,729	47	\$19,689	219	\$121,176	12	\$6,244
1880....	1,016	702,382	20	841,517	125	66,242	34	12,712	150	86,606	34	15,940
1887....	758	730,558	156	229,441	188	103,912	115	59,471	389	80,825	43	25,664

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands, †	Av. incumbrance per acre, on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	54,068	15,770	70,828	{ 849,202 }	22.88	\$36.92	\$16.88
1880.....	59,492	17,879	77,371		22.15		13.57
1887.....	72,608	16,082	88,640		25.38		18.80

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock†.....	\$9,471,464
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$1,023,717
Home value of farm products for one year 1879) † .....	\$1,917,601

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**WAYNE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Wayne County.

## SUMMARIES FROM THE RECORDS:

## Recapitulation of Totals—By Years and Classes.

CLASSES.	*1870.				*1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	.....	.....	.....	.....	.....	.....	.....	.....	447	\$151,949	28,118	.....
Lots.....	.....	.....	.....	.....	.....	.....	.....	.....	113	41,105	.....	166
Total Real Est.	.....	.....	.....	.....	.....	.....	.....	.....	560	\$193,054	28,118	166
Chattels.....	.....	.....	.....	.....	.....	.....	.....	.....	155	38,451	.....	.....
Totals.....	.....	.....	.....	.....	.....	.....	.....	.....	715	\$231,505	28,118	166

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870*.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880*.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887.....	383	\$118,721	64	\$33,228	69	\$18,604	44	\$22,501	127	\$38,239	28	\$10,222

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870*.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880*.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887.....	145	\$28,699	1	\$90	1	\$75	8	\$5,153	2	\$1,525	.....	.....	1	\$50	2	\$2,869

## Totals of Mortgages given to Building and Loan Associations.

*1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	81	\$19,100	.....	44	109	\$66,850	.....	154

## Totals of Mortgages executed to Non-Residents of the State.

*1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	78	\$35,924	5,735	11	336	\$150,306	24,204	46

\* Records of 1870 and 1880 destroyed by fire.

## WAYNE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887.....	447	.0783	8.246	113	.0702	8.412	155	.0799	16.81

## Total of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887.....	1,451	\$512,511	91,271	386	\$145,173	556	210	\$55,432	2,047	\$714,116

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887 ..	1,343	\$400,271	206	\$112,240	236	\$66,780	150	\$78,398	172	\$41,421	88	\$15,011

## Percentage of Acres Mortgaged and Average Incumbrance per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....	.....
1887.....	77,612	13,659	91,271	445,634	20.48	\$23 47	\$5 63

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$5,498,690
Total of existing mortgage indebtedness on lands. Live stock and implements .....	\$554,642
Home value of farm products for one year (1879) † .....	\$1,044,063

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**WHITE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in White County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts.
Lands .....	189	\$104,911	11,508	....	314	\$230,748	37,178	....	388	\$130,346	26,394	....
Lots. ....	42	17,701	.....	70	112	45,169	.....	200	*106	59,574	.....	220
Total Real Est	181	\$122,612	11,508	70	426	\$275,917	37,178	200	494	\$189,920	26,394	220
Chattels .....	134	31,324	.....	....	347	79,721	.....	....	542	106,500	.....	....
Totals .....	315	\$153,936	11,508	70	773	\$355,638	37,178	200	1,036	\$296,420	26,394	220

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	108	\$35,284	36	\$49,627	31	\$13,198	11	\$4,508	138	\$30,574	1	\$750
1880....	269	168,197	55	62,551	83	34,652	29	10,517	338	70,327	14	9,404
1887....	333	141,464	55	48,882	77	47,427	28	12,147	532	99,774	20	8,726

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	116	\$27,430	4	\$348	1	\$1,475	1	\$750	9	\$324	2	\$282	....	....	1	\$225
1880....	233	54,560	....	....	9	3,060	17	6,644	88	12,737	4	2,330	1	\$300	....	....
1887....	411	67,589	11	1,471	33	21,029	9	8,454	78	14,477	1	50	1	80	3	350

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	19	\$6,800	220	19	76	\$27,200	830	76

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
30	\$23,939	2,805	18	26	\$34,751	1,843	12	39	\$51,833	2,752	18

\* One mortgage \$17,000, no term nor rate of interest, on one lot, given to a bank in Indiana.

## WHITE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	139	.0914	2.117	42	.0954	1.102	134	.0976	13.1
1880....	814	.0788	2.307	112	.0786	1.643	347	.0805	11.67
1887....	388	.0779	2.801	106	.0775	1.784	542	.0798	10.54

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870....	294	\$232,245	24,332	46	\$20,440	77	145	\$37,528	485	\$290,213
1880....	693	529,199	59,962	184	77,130	829	837	88,765	1,214	690,094
1887....	1,087	558,926	73,930	189	110,398	392	475	102,761	1,751	767,085

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	218	\$123,137	76	\$109,118	34	\$15,223	12	\$5,212	144	\$36,496	1	\$1,062
1880....	572	369,796	121	143,413	136	59,159	48	17,971	323	73,881	14	9,884
1887....	938	411,566	154	142,360	137	87,877	52	22,531	457	94,540	18	8,221

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	15,179	9,173	24,353	311,735	7.81	\$37.38	\$9.56
1880.....	46,299	13,683	59,982		19.56		8.23
1887.....	61,798	12,142	72,930		23.71		7.49

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$5,894,918
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$617,994
Home value of farm products for one year (1879) †.....	\$1,462,892

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**WHITESIDE COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Whiteside County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	401	\$439,324	35,300	.....	381	\$494,186	33,668	.....	369	\$305,929	37,445	.....
Lots .....	142	95,968	.....	322	151	120,902	.....	369	215	137,849	.....	450
Total Real Est.	543	\$535,297	35,300	322	532	\$615,088	33,668	369	584	\$433,778	37,445	450
Chattels .....	371	136,022	.....	.....	533	142,286	.....	.....	633	227,370	.....	.....
Totals .....	914	\$671,309	35,300	322	1,065	\$757,374	33,668	369	1,267	\$661,148	37,445	450

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	270	\$391,694	131	\$147,630	106	\$76,684	36	\$19,369	361	\$133,614	10	\$2,406
1880....	370	464,595	11	29,591	143	117,027	8	3,875	530	141,567	3	719
1887....	349	558,629	20	47,300	172	98,724	43	32,126	673	221,574	10	5,796

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	289	\$80,364	6	\$4,465	6	\$4,066	15	\$10,877	28	\$16,428	10	\$5,266	.....	.....	17	\$4,908
1880....	426	99,534	6	630	13	5,345	17	7,997	43	18,082	15	7,528	6	\$625	7	2,605
1887....	567	121,777	16	39,139	10	42,903	19	6,764	28	8,749	10	4,215	4	431	9	3,402

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	39	\$27,000	12	43	88	\$80,750	27	97

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
30	\$63,830	2,992	16	17	\$31,912	2,195	.....	70	\$132,375	9,098	.....

## WHITESIDE COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	401	.0915	3.297	142	.0858	1.992	371	.0961	14.68
1880....	381	.0749	3.926	151	.0788	2.805	538	.08	15.19
1887....	369	.0706	4.125	215	.0756	3.663	683	.0748	13.11

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts.	Whole No.	Whole Amounts.
1870. ....	1,322	\$1,514,717	116,054	268	\$200,814	641	444	\$182,388	2,049	\$1,897,419
1880. ....	1,496	2,014,774	132,161	424	352,492	1,035	674	194,517	2,594	2,541,733
1887. ....	1,522	2,587,688	154,461	787	486,010	1,648	747	268,231	3,066	3,341,929

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	890	\$1,005,773	432	\$508,944	211	\$160,251	72	\$40,063	432	\$178,741	12	\$3,647
1880....	1,453	1,893,383	43	130,896	402	341,212	22	11,230	670	198,544	4	973
1887....	1,439	2,388,261	83	204,427	629	364,508	158	121,502	736	261,525	11	6,706

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870. ....	88,335	27,669	116,054	417,501	27.79	\$40 57	\$13 05
1880. ....	137,053	5,104	132,161		31.65		15 25
1887. ....	146,438	8,023	154,461		36.99		16 75

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$17,528,433
Total of existing mortgage indebtedness on lands, live stock and implements .....	\$2,731,344
Home value of farm products for one year (1879) †.....	\$2,692,635

\*State Auditor's Report, 1887.

†United States Census Report, 1880.

**WILL COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Will County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts.
Lands.....	551	\$772,416	51,188	...	412	\$730,045	36,486	...	351	\$706,423	31,567	.....
Lots.....	319	845,773	...	584	*269	312,372	...	533	7713	750,143	...	1,034
Total Real Est	870	\$1,618,189	51,188	584	708	\$1,042,417	36,686	533	1,064	\$1,456,616	31,567	1,034
Chattels.....	396	163,260	...	...	317	181,633	...	...	365	141,477	...	...
Totals.....	1,266	\$1,781,439	51,188	584	1,025	\$1,174,050	36,686	533	1,429	\$1,598,093	31,567	1,034

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870.....	416	\$169,718	135	\$302,698	232	\$764,421	87	\$31,352	361	\$153,390	37	\$9,370
1880.....	328	508,962	84	221,083	210	262,762	264	239,301	264	118,445	53	13,138
1887.....	295	506,670	56	200,873	351	322,698	332	427,445	265	111,332	100	30,236

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	2-2	\$99,226	9	\$2,845	32	\$18,524	12	\$9,771	28	\$14,632	19	\$7,223	1	\$75	15	\$10,963
1880.....	217	74,692	17	10,417	14	5,034	13	8,365	12	6,694	5	2,550	17	2,777	22	21,104
1887.....	227	81,322	15	1,733	15	4,673	8	21,948	13	2,440	3	772	58	11,878	26	16,236

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
30	\$14,200	.....	33	265	\$289,400	12	292	994	\$1,065,350	45	1,036

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
69	\$318,243	7,170	11	55	\$171,143	4,332	4:	266	\$830,457	22,539	219

\* One mortgage of \$140,000, for 30 years, at 6 per cent., on water works plant, Pennsylvania parties mortgagees.

† One mortgage of \$60,000, for 2½ years, at 7 per cent., on 14 lots and 1 paper mill plant.

## WILL COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELLETS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870.....	551	.0910	2.785	819	.0851	2.009	896	.0946	15.81
1880.....	412	.0732	3.843	296	.0698	2.464	817	.0779	14.68
1887.....	351	.0666	3.98	713	.072	4.447	865	.0753	16.34

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELLETS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	1,535	\$2,249,056	142,559	641	\$514,767	1,173	522	\$235,425	2,698	\$2,999,248
1880.....	1,588	2,908,247	140,964	729	796,355	1,313	886	172,977	2,699	3,877,579
1887.....	1,397	2,906,894	126,831	3,171	3,455,978	4,598	494	205,888	5,062	6,567,260

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELLETS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	1,180	\$1,371,922	375	\$877,134	466	\$344,707	175	\$170,060	473	\$221,300	49	\$14,123
1880.....	1,270	2,027,048	313	841,199	517	669,735	212	126,630	321	155,679	65	17,298
1887.....	1,175	2,080,262	222	825,132	1,997	1,486,060	1,174	1,969,918	359	161,828	135	44,080

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	110,389	32,170	142,559	525,929	27.16	\$42.92	\$15.07
1880.....	117,496	23,468	140,964		26.66		26
1887.....	119,057	7,774	126,831		24.19		23.90

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock.....	\$21,829,594
Total of existing mortgage indebtedness on lands, live-stock and implements .....	\$3,023,73
Home value of farm products for one year 1879) † .....	\$3,318,44

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**WILLIAMSON COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Williamson County.

## SUMMARIES FROM THE RECORDS.

**Recapitulation of Totals—By Years and Classes.**

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	41	\$12,542	2,554	....	110	\$33,237	7,701	....	*224	\$74,419	14,726	....
Lots .....	2	1,265	.....	8	18	1,904	.....	24	56	17,409	.....	116
Total Real Est.	43	\$13,807	2,554	8	128	\$35,181	7,701	94	280	\$91,828	14,736	116
Chattels. ....	32	4,084	.....	115	115	30,026	.....	....	229	34,473	.....	....
Totals. ....	75	\$17,841	2,554	8	238	\$65,207	7,701	24	509	\$126,301	14,736	116

**Mortgages for Loans and for Deferred Payments of Purchase Money.**

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	27	\$5,704	14	\$6,838	....	.....	2	\$1,265	32	\$4,084	....	.....
1880....	83	18,672	27	14,605	5	\$1,000	8	904	107	13,565	8	\$5,461
1887....	179	58,244	45	16,175	31	8,689	25	8,720	202	24,471	27	10,002

**Classification of Chattel Mortgages.**

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PLANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870....	16	\$2,190	....	.....	....	.....	....	.....	5	\$481	11	\$1,368	....	.....	....	.....
1880....	65	10,839	1	\$48	7	\$2,461	3	\$279	35	5,667	2	460	2	\$224	....	.....
1887....	197	26,134	2	885	10	5,782	2	45	11	1,342	3	439	3	310	1	\$36

**Totals of Mortgages given to Building and Loan Associations.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	8	\$3,700	.....	8	8	\$3,700	.....	8

**Totals of Mortgages executed to Non-Residents of the State.**

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
6	\$2,311	474	.....	8	\$4,338	594	.....	10	\$14,966	2,049	.....

\*One mortgage \$600, 2 years, 8 per cent., on 47 acres of land for deferred payments on machinery.

## WILLIAMSON COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest and the average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	41	.0855	1.781	2	.0858	1.	32	.10	9.9
1880....	110	.0808	1.843	13	.08	1.	115	.0786	13.2
1887....	224	.0782	2.298	56	.08	1.704	229	.0801	11.83

Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	71	\$32,746	4,431	2	\$1,320	3	26	\$2,659	99	\$37,735
1880.....	208	63,792	14,198	13	1,980	24	125	23,763	341	89,535
1887.....	515	177,702	33,840	56	30,852	198	215	35,158	835	243,712

Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	47	\$10,691	24	\$12,055	2	\$1,320	26	\$2,659	99	\$37,735	9	\$7,675
1880....	153	35,787	50	23,006	5	1,089	8	941	116	16,088	9	10,196
1887....	412	139,318	108	38,394	52	15,395	43	15,457	190	24,962	25	10,196

Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.†
	For loans.	For deferred payments.					
1870.....	2,758	1,663	4,421	264,874	16.69	\$19 08	\$5 14
1880.....	9,267	4,926	14,193		5.32		4 49
1887.....	27,999	5,851	33,840		12.77		5 25

Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$3,102,285
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$304,356
Home value of farm products for one year (1879)†.....	\$744,653

\* State Auditor's Report, 1887.

† United States Census Report, 1880.



**WINNEBAGO COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Winnebago County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands .....	365	\$518,982	24,800	....	238	\$432,070	21,968	....	175	\$319,985	12,487	....
Lots .....	261	263,018	.....	439	*223	238,490	.....	296	+332	414,098	.....	524
Total Real Est.	626	\$781,945	24,800	439	511	\$715,560	21,968	296	507	\$784,083	12,487	524
Chattels .....	255	120,002	.....	....	335	81,806	.....	....	513	146,806	.....	....
Totals .....	881	\$901,957	24,800	439	846	\$797,366	21,968	296	1,020	\$930,889	12,487	524

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	156	\$259,750	209	\$259,182	101	\$163,095	160	\$99,978	232	\$78,555	23	\$41,457
1880....	175	297,142	113	134,928	146	233,768	77	49,727	296	67,598	40	14,213
1887....	183	246,404	42	73,581	222	270,798	170	143,300	450	126,476	68	21,330

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	141	\$40,337	15	\$7,294	27	\$14,339	34	\$41,730	12	\$8,170	8	\$2,805	4	\$512	10	\$5,045
1880.....	195	36,778	20	5,118	15	5,911	39	19,137	12	4,162	6	1,840	40	4,841	8	4,024
1887.....	319	98,486	71	8,097	10	6,198	50	17,492	6	1,586	3	948	29	4,712	25	9,293

## Totals of Mortgages given to Building and Loan Associations.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	72	\$35,433	.....	93	504	\$598,031	.....	651

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
24	\$32,798	705	20	17	\$53,275	1,089	7	75	\$235,369	4,811	31

\* One mortgage, \$100,000, 5 years, 7 per cent. on watch factory property.

+ One mortgage, \$13,000, 5 years, 6 per cent. on mill property. Two for \$11,000, 5 years, 6 per cent. on water-power lots.

## WINNEBAGO COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	385	.0877	3.987	361	.0915	2.949	355	.0934	12.94
1880....	338	.0724	5.873	223	.0783	3.181	336	.0794	14.3
1887....	175	.0655	4.367	392	.0706	4.032	518	.0781	12.5

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS	LANDS.			LOTS.			CHATELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts.	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	1,455	\$2,159,706	98,878	770	\$311,110	1,296	274	\$142,133	2,499	\$3,112,949
1880.....	1,547	2,405,531	117,907	709	385,058	942	399	105,223	2,655	3,445,532
1887.....	732	1,439,534	54,405	1,600	1,750,017	2,094	534	164,868	2,866	3,554,719

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870....	622	\$1,090,334	833	\$1,078,773	298	\$502,889	472	\$308,221	242	\$93,110	32	\$49,023
1880....	940	1,655,019	607	750,532	464	771,423	245	163,635	351	86,914	48	18,309
1887....	579	1,108,672	183	331,162	906	1,144,512	694	695,505	468	140,962	66	23,906

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

YEARS.	ACRES MORTGAGED.		Total No of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands. †	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	50,894	47,984	98,878	318,432	31.06	\$48.24	\$21.84
1880.....	82,737	35,070	117,807		36.99		20.42
1887.....	43,308	11,097	54,405		17.08		26.47

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$15,546,805
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,550,434
Home value of farm products for one year (1879)†.....	\$2,423,875

\* State Auditor's Report, 1887.

† United States Census Report, 1880.

**WOODFORD COUNTY.**

Schedule of the Number, Amounts and Character of all Mortgages executed and recorded during the years 1870, 1880 and 1887 in Woodford County.

## SUMMARIES FROM THE RECORDS.

## Recapitulation of Totals—By Years and Classes.

CLASSES.	1870.				1880.				1887.			
	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts	No. Mt'gs	Amounts	Acres	Lts
Lands.....	228	\$322,047	30,669	....	198	\$384,474	16,438	....	163	\$314,358	15,456	....
Lots.....	180	54,359	.....	210	61	25,068	.....	196	69	83,067	.....	176
Total Real Est.	408	\$376,406	30,669	210	254	\$309,542	16,438	196	232	\$342,425	15,456	176
Chattels.....	211	98,736	.....	.....	179	58,670	.....	.....	124	59,690	.....	.....
Totals.....	614	\$475,142	30,669	210	433	\$368,212	16,438	196	356	\$402,105	15,456	176

## Mortgages for Loans and for Deferred Payments of Purchase Money.

YEARS.	LANDS.				LOTS.				CHATELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.	No.	Amounts.
1870....	204	\$282,601	19	\$39,446	172	\$50,060	8	\$4,309	208	\$85,594	8	\$3,142
1880....	170	237,769	23	56,705	57	22,650	4	2,418	167	54,489	12	4,151
1887....	148	270,539	15	43,819	59	31,285	10	6,782	119	55,404	5	4,276

## Classification of Chattel Mortgages.

YEARS.	LIVE STOCK AND FARM IMPLEMENTS.		HOUSEHOLD GOODS.		MERCHANDISE AND FIXTURES.		MACHINERY AND TOOLS.		GROWING CROPS.		GARNERED CROPS.		PIANOS, ORGANS, SEWING MACHINES.		MISCELLANEOUS.	
	No.	Am'ts	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
1870.....	179	\$77,844	1	\$6,773	9	\$6,153	4	\$1,446	12	\$3,230	3	\$1,870	1	\$750	2	\$680
1880.....	146	45,279	6	2,139	.....	.....	.....	.....	18	4,072	14	7,180	.....	.....	.....	.....
1887.....	114	52,610	1	575	4	4,500	.....	.....	4	1,375	1	620	.....	.....	.....	.....

## Totals of Mortgages given to Building and Loan Associations.\*

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## Totals of Mortgages executed to Non-Residents of the State.

1880.				1887.				TOTAL IN FORCE—1887.			
No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.	No.	Amount.	Acres.	Lots.
1	\$1,200	80	.....	2	\$6,000	480	.....	10	\$30,000	2,400	.....

\*No mortgages of this class recorded.

## WOODFORD COUNTY—CONTINUED.

SUMMARIES DERIVED FROM THE FOREGOING STATISTICS OF ANNUAL PERIODS.

The Average Rate of Interest, and the Average Term of all Mortgages recorded in the given years, computed from the recorded Term, and Rate and Amount of each Instrument.

YEARS.	No. of mortgages.	AVERAGES FOR LANDS.		No. of mortgages.	AVERAGES FOR LOTS.		No. of mortgages.	AVERAGES FOR CHATTELS.	
		Rate of Interest.	Term—years.		Rate of Interest.	Term—years.		Rate of Interest.	Term—months.
1870....	228	.0669	3.342	180	.0627	2.273	211	.0689	16.76
1880....	198	.0778	3.558	61	.0798	1.752	179	.0791	13.86
1887....	168	.0668	4.251	69	.0779	2.959	194	.0706	16.17

## Totals of Existing Mortgage Indebtedness for each of the Three Periods.

YEARS.	LANDS.			LOTS.			CHATTELS.		AGGREGATES.	
	No.	Amounts.	Acres.	No.	Amounts	Lots.	No.	Amounts	Whole No.	Whole Amounts.
1870.....	745	\$1,128,427	69,119	396	\$125,308	463	298	\$151,539	1,484	\$1,405,269
1880.....	687	1,061,581	58,469	107	45,600	342	199	70,484	998	1,167,675
1887.....	698	1,382,640	65,708	204	117,027	521	167	86,090	1,064	1,585,757

## Proportion of Total Indebtedness for Loans and for Deferred Payments.

YEARS.	LANDS.				LOTS.				CHATTELS.			
	LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.		LOANS.		DEFERRED PAYMENTS.	
	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts	No.	Amounts
1870.....	682	\$969,631	68	\$188,796	378	\$115,279	18	\$10,034	282	\$146,690	11	\$4,849
1880.....	559	842,276	128	209,255	100	41,277	7	4,388	186	65,480	13	5,004
1887.....	629	1,189,070	64	198,570	174	96,548	30	20,479	160	79,892	7	6,198

## Percentage of Acres Mortgaged and Average Incumbrance Per Acre.

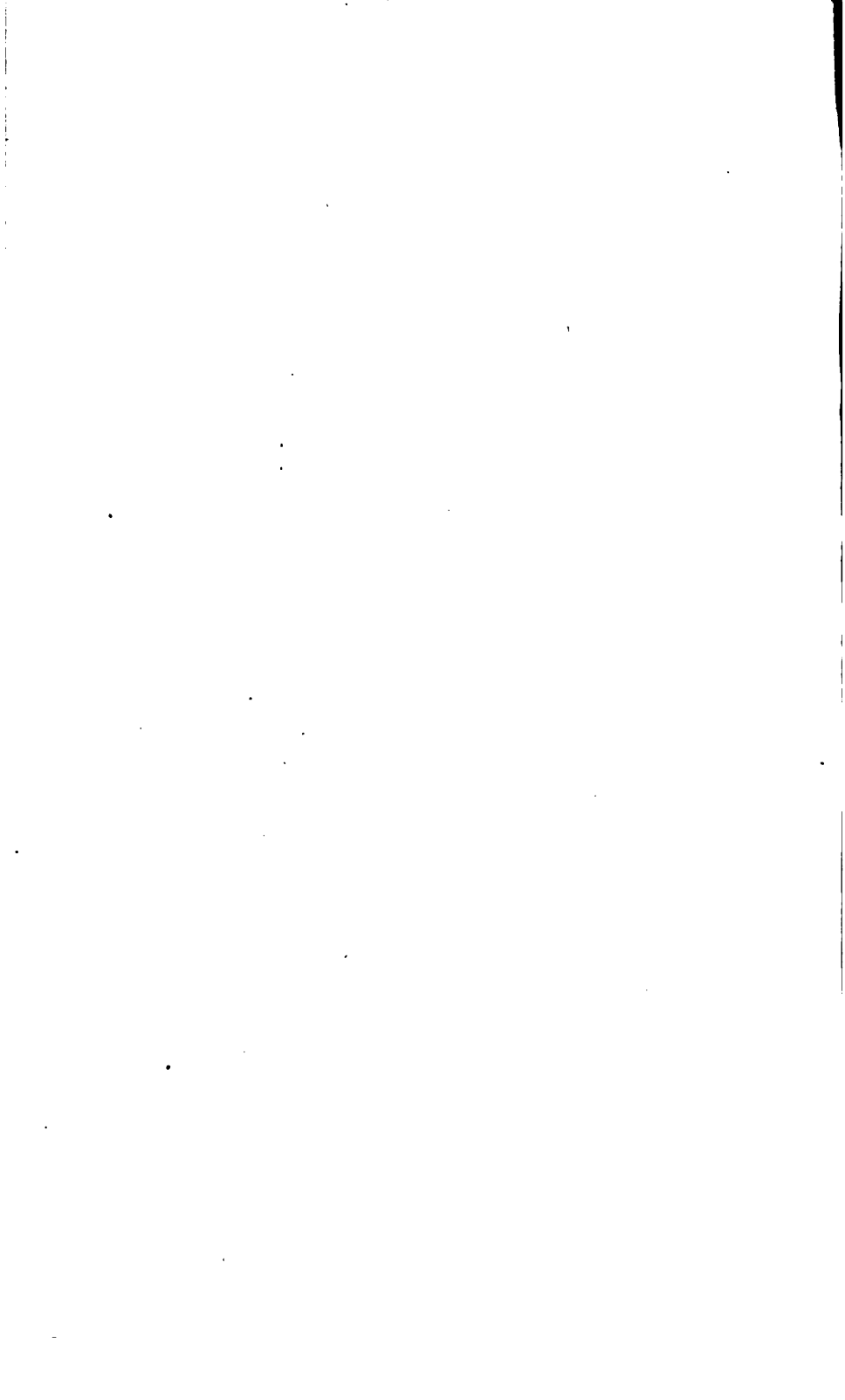
YEARS.	ACRES MORTGAGED.		Total No. of acres mortgaged.	Total No. of acres in the county.*	Per cent. mortgaged.	Av. value per acre of improved lands.†	Av. incumbrance per acre on lands actually mortgaged.
	For loans.	For deferred payments.					
1870.....	62,596	6,523	69,119	337,138	20.5	\$41.30	\$16.88
1880.....	50,762	7,707	58,469		14.38		17.98
1887.....	59,233	6,470	65,703		19.49		21.04

## Valuations and Resources as Compared with Indebtedness on Lands.

Value of farms, improvements, implements and live stock †.....	\$13,785,936
Total of existing mortgage indebtedness on lands, live stock and implements.....	\$1,458,534
Home value of farm products for one year (1879)†.....	\$2,384,008

\*State Auditor's Report, 1887.

†United States Census Report, 1880.



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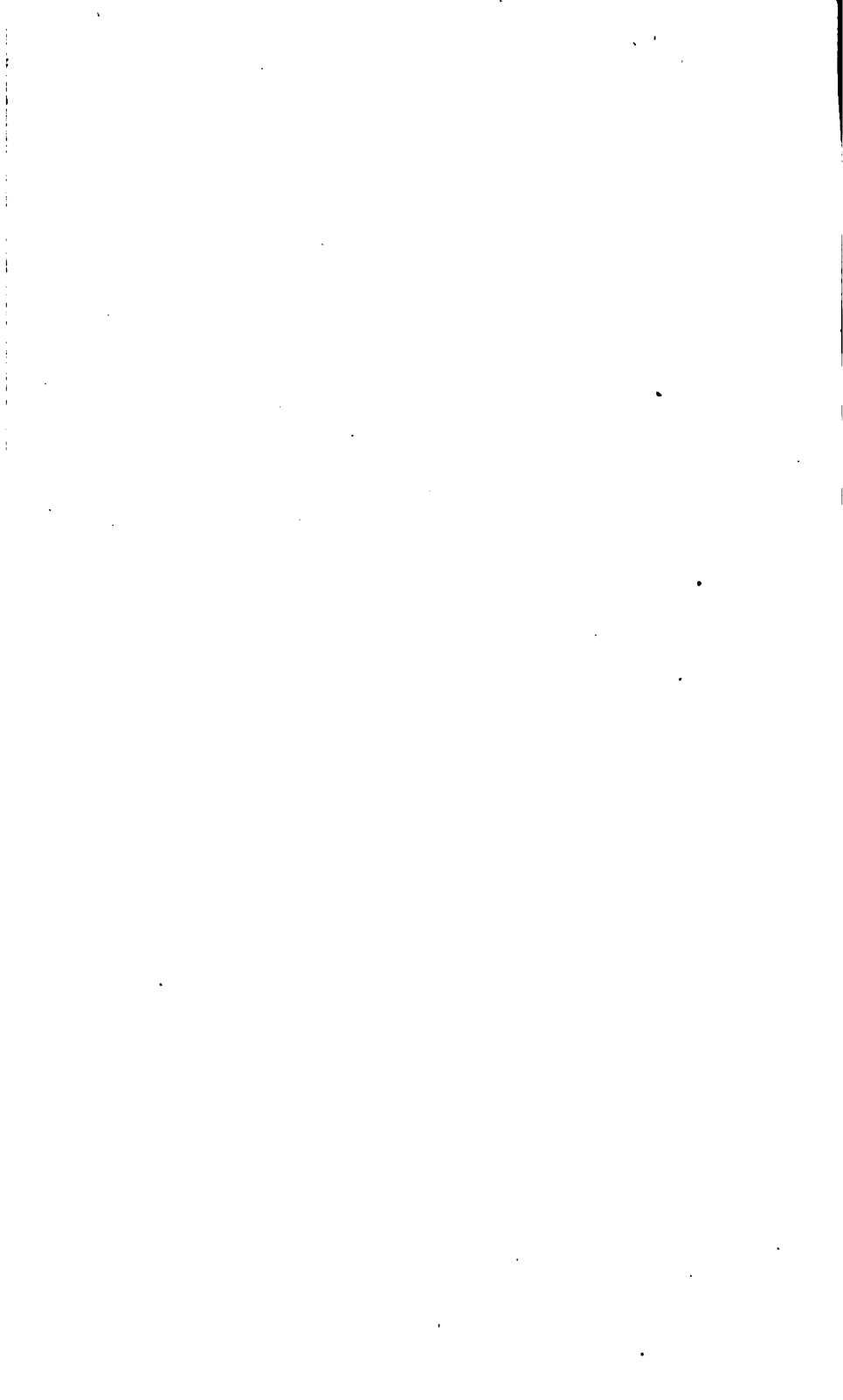
PART II.

STRIKES AND LOCKOUTS

IN ILLINOIS, 1881-1886.

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## STRIKES AND LOCKOUTS.

## CHAPTER I.

## SYNOPSIS OF THE TABLES.

In making a study of the statistics of strikes and lockouts in Illinois, as prepared by the Bureau of Labor in Washington, and presented in the following tables, it is observed that they cover a period of six years from January 1, 1881, to December 31, 1886, and are grouped primarily by years, by industries, and by causes. One difficulty, however, is presented at the outset and that refers to the enumeration of these events. It must first be determined what has constituted the unit or basis of tabulation. A wage difficulty that closes a bake-shop and involves the labor of five men is undoubtedly a strike; and yet it ought not to be given the same weight, even in tabulation, as the Southwestern railroad strike, or the great eight-hour struggle of May, 1886. One strike may close an obscure restaurant, another shut down every flouring mill in the State, and under the usual methods of tabulation each would be set down as a strike. On the other hand if the establishment be taken as the unit, as is done in these tables, then the aggregate number of establishments closed must not be taken as the number of distinct strikes, in the ordinary sense of that term, since a strike ordered by an extensive organization may close a hundred establishments, and yet be but one strike, in the sense that it is in obedience to one general order.

The method adopted by the Tenth Census takers was to tabulate each clearly defined independent strike, as such, without reference



to its extent or the number of establishments involved. The method adopted in the compilation of the tables here presented, has been to give the number of establishments effected without reference to the number of distinct strikes. Hence the number of strikes as commonly understood, is not to be definitely ascertained from an examination of these tables, though the number of establishments involved is accurately given with all other essential elements in each case. One line in the tables represents therefore either a strike in one establishment, or a general strike in several establishments, or in such a number of establishments in a general strike as could be grouped into one line, all features being essentially the same; successive lines below being used for such single establishments involved in the general strike as present features rendering them not susceptible of being accurately grouped with others. The establishment, as the unit, is not, however, lost sight of, and this grouping of several into one line is a mere condensation by adding together all the establishments in a strike presenting features identical. Any essential variation has been considered sufficient to warrant giving to the establishment a separate line.

The points covered by the investigation include the character of the industry carried on by the establishment affected; the location; the cause or object of the strike; whether or not it was ordered by a labor organization, or in cases of lockouts, by combinations of managers; the number of days the establishment was closed; the dates of the beginning and ending of the strike; the degree of success attained by the strike or lockout; the loss to employers and employés, together with the amount of assistance received by the latter from strike benefit funds; the number of employés before and after the strike or lockout; the average daily pay before and after; the number of persons actively engaged in the strike, together with the number of persons involved in the strike; the number of new employés after the strike, and the number of employés brought from other localities to take the places of strikers; also the number of weekly working-hours both before and after the strike.

Of these facts, as found in the tables, a summary by years is presented as follows:

TABLE I.—*Summary of Strikes in Illinois, by Years.*

YEARS.	ORDERED BY LABOR ORGANIZATION.		ESTABLISHMENTS.				DURATION (DAYS).	
	Yes.	No.	Number.	Number closed.	Aggregate days closed.	Average days closed.	Aggregate.	Average.
1 1881.....	174	97	271	245	8,558	14.5	8,854	14.2
2 1882.....	182	74	206	126	8,097	21.4	3,371	16.4
3 1883.....	534	42	576	871	14,303	34.6	15,224	26.4
4 1884.....	368	41	429	120	4,109	34.2	8,558	19.9
5 1885.....	145	81	226	204	4,462	21.9	5,723	25.3
6 1886.....	951	109	1,060	891	12,977	14.6	16,005	15.1
Total..	2,324	444	2,768	1,957	42,106	21.5	52,785	19.1

YEARS.	RESULTS.			EMPLOYEES'—		EMPLOYERS' LOSS.
	Succeeded.	Succeeded partly.	Failed.	Loss.	Assistance.	
1 1881.....	154	35	82	\$384,444	\$7,915	\$272,330
2 1882.....	116	9	81	696,648	11,040	403,201
3 1883.....	454	28	94	1,398,585	101,360	1,615,641
4 1884.....	359	.....	70	442,366	8,918	206,762
5 1885.....	106	10	110	1,190,921	15,648	387,940
6 1886.....	810	204	546	2,524,244	53,571	2,366,555
Total.....	1,499	286	283	\$6,686,208	\$238,452	\$5,251,824

YEARS.	NUMBER OF EMPLOYEES,—						EMPLOYEES STRIKING.
	Before Strike.			After Strike.			
	Male.	Female.	Total.	Male.	Female.	Total.	
1 1881.....	20,342	360	20,702	20,131	360	20,491	16,081
2 1882.....	15,224	100	15,324	14,766	100	14,866	14,127
3 1883.....	21,356	45	21,401	21,294	45	21,339	20,091
4 1884.....	11,327	.....	11,327	11,291	.....	11,291	7,589
5 1885.....	22,620	585	23,205	25,860	585	26,445	18,274
6 1886.....	116,279	2,772	119,051	116,689	2,781	119,420	99,675
Total .....	210,148	3,862	214,010	209,481	3,821	213,302	175,837

YEARS.	EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE			BROUGHT FROM OTHER PLACES.
	Male.	Female.	Total.	Male.	Female.	Total.	
1 1881.....	18,216	60	18,276	1,315	35	1,350	639
2 1882.....	14,708	100	14,808	1,365	.....	1,365	555
3 1883.....	20,135	45	20,181	1,952	15	1,967	1,334
4 1884.....	8,064	.....	8,064	859	.....	859	325
5 1885.....	21,645	425	22,070	2,593	78	2,671	1,532
6 1886.....	105,838	2,683	108,516	2,345	33	2,378	3,061
Total.....	188,592	3,313	191,905	16,429	161	16,590	7,466

An examination of the foregoing table reveals the fact that 2,768 establishments in this State have been involved in strikes during the period covered by the investigation. Of these 271, or 9.79 per cent., occurred in 1881; 206, or 7.44 per cent., in 1882; 576, or 20.86 per cent., in 1883; 429, or 15.45 per cent., in 1884; 226, or 8.16 per cent., in 1885; 1,060, or 38.29 per cent., in 1886. Of the 2,768 establishments 1,957 were completely closed by the strike, the aggregate number of days closed being 42,106, an average of 21.5 days for each establishment. In 2,324 instances the strike was ordered by labor organizations, while 444 strikes were not so ordered. Of the strikes of 1881, 174, or 64.20 per cent., were ordered by labor organizations; 132, or 64.08 per cent., of those of 1882 were so ordered; 92.71 per cent. of those of 1883; 90.44 per cent. of those of 1884; 64.16 per cent. of those of 1885; and 89.72 per cent. of those of 1886.

For these fluctuations in the number and percentages of strikes inaugurated by labor organizations year by year, it is difficult, if not impossible, to discover an underlying cause. The inference would, of course, be that the extent and cohesive power of labor organizations in the State varied and fluctuated with these percentages. Other known facts, however, disprove this view, and leave the above facts standing alone, and without a probable explanation. To bring out more clearly one feature, thought to be of interest, the following table, showing the number and percentages of successful strikes, by years, ordered by labor organizations, has been prepared:

TABLE I.—*Proportion of Strikes Ordered by Labor Organizations.*

Years.	Whole No. of strikes.	Successful.	Partly successful.	Failed.	Percentage of success- ful strikes.
1881.					
Ordered .....	174	86	35	58	49.42
Not ordered.....	97	68	.....	29	70.1
Total.....	271	154	85	82	56.83
1882.					
Ordered .....	132	77	3	58	58.5
Not ordered.....	74	39	6	29	52.7
Total.....	206	116	9	81	56.31

Table I.—Continued.

1883.					
Ordered .....	534	485	28	71	81.46
Not ordered.....	42	19	.....	23	45.24
Total .....	576	464	28	94	78.81
1884.					
Ordered .....	388	388	.....	50	87.07
Not ordered.....	41	21	.....	20	51.23
Total .....	429	359	.....	70	83.68
1885.					
Ordered .....	145	85	10	50	59.81
Not ordered.....	81	21	.....	60	25.93
Total .....	226	106	10	110	47
1886.					
Ordered .....	951	275	196	490	27.86
Not ordered.....	109	35	8	66	32.11
Total .....	1,060	310	204	546	29.25
Whole Period.					
Ordered .....	2,324	1,296	272	756	55.76
Not ordered.....	444	208	14	227	45.74
Total .....	2,768	1,499	286	983	54.15

From this it will be seen that 1,499, or 54.15 per cent., of the strikes for the whole period were successful, that 55.76 per cent. of those ordered by labor organizations succeeded, while 45.74 per cent. of those entered into without organization were successful. In the years 1881 and 1886 the percentages of successful strikes were greatest among those not ordered by organizations, while for the other years, in still greater degree the reverse of this was true. The remarkably small percentage of successful strikes in 1886, both of men organized and unorganized, was due in no small degree to the fact that they occurred mostly in Chicago, were inaugurated to secure the eight-hour work-day, and this whole movement collapsed and was brought to failure by the Haymarket tragedy. The final percentage of successful strikes is thus much reduced by the wide-spread failures of 1886.

Referring to Table I, summarizing strikes by years, it will be seen that the total amount of loss in wages to employes for the entire period is \$6,636,208. Of this loss \$2,524,244, or 38.2 per cent., was sustained in 1886. The total assistance received by strikers was \$238,452, being 3.6 per cent of the total wage loss.

The relative loss and assistance for the series of years was for 1881, a wage loss of \$384,444; assistance, \$7,915, or 2 per cent. of the loss. For 1882 the loss was \$695,648, the assistance \$11,040, or 1.5 per cent. In 1883 the loss reached \$1,398,585, the assistance \$101,360, or 7.2 per cent. The loss in 1884 amounted to \$442,366, the assistance to \$8,988, or 2 per cent. In 1885 the loss was \$1,190,921, the assistance \$15,648, or 1.3 per cent. In 1886 the loss reached \$2,525,244, the assistance amounted to \$93,571, or 3.7 per cent. As a matter of fact the assistance received by strikers from other laborers not on strike, whether through organizations or not, is properly an item of "loss" equally with the amounts lost in wages, for these amounts must be taken from the wages of other laborers and lost or absorbed in the strike, or because of it. In its general or abstract sense labor loses this assistance fund in its struggle with capital through the methods of the strike.

The employers' loss resulting from strikes for the entire series of years amounted to \$5,251,829. The census of 1880 gives \$140,652,066 as the amount of capital invested in manufacturing industries in Illinois. The losses sustained by capital through strikes for the six years covered by this report would be 3.7 per cent. of this total investment. The losses of 1886 were \$2,366,555, or 1.7 per cent., of the capital invested. In computations of losses from strikes, the largest item, that of the loss to the community and business in general, can not be reckoned.

In the table under consideration a total of 214,010 is given as the number of employes in the 2,678 establishments in which strikes occurred, and 213,302 as the number employed in the same establishments after the strikes. This statement would be misleading without explanation. In making the totals for a series of six years in any number of factories as to the number of employes, the same individuals would be duplicated a great many times. In statistical tabulations, one man on strike twice must figure as two men on strike, and the establishment that had two strikes during the six years would have its entire force of employes numbered twice, or as often as strikes occurred. The whole force of a great many establishments would thus be counted a great many times in the totals. Especially is this true of the year 1886 when many of the establishments that had strikes at all

had a series of them. Hence the number of employés, either striking or involved in the strikes, must not be considered as so many individuals. This is also true of the number of establishments, where the same shop or factory may have been counted a score of times in as many different strikes.

Bearing this qualification in mind then, we find that 175,837 employés were directly, or actively engaged in the strikes, and that 191,905 were involved directly and indirectly in the troubles, showing 16,068 persons not themselves strikers but whose labor became lost because of strikes in the establishments where they were employed. There were 16,590 new employés after the strikes, which taken together with the fact that before the strikes 214,010, persons were employed while after the strikes only 213,310 were employed, would indicate that 17,290 employés had lost their positions through strikes, and that of these positions 16,590 had been filled by new employés, while there was curtailment of 700 in the total number of employés. Of the new employés 7,466 were brought from other places to where the strikes occurred to take the places of the men on strike. The greatest number of men so brought in from other places during any one year was 3,081 during 1886. By reference to the summary of strikes by industries, Table No. III, it will be seen that the transportation companies have imported the largest number of persons to take the places of striking employés, the number so imported being 1,853. The mining industry follows with 1,681 persons so imported; manufacturers of metals and metallic goods follow with 1,014; manufacturers of agricultural implements come next with 920; the other industries in this particular are relatively unimportant.

In the following summary of strikes by industries, an elaborate classification of all strikes has been made for the entire period, upon a basis of the industries in which they occurred:

TABLE III.—Summary of Strikes in

INDUSTRIES.	ORDERED BY LABOR ORGANIZATION.		ESTABLISHMENTS.			
	Yes.	No.	Number.	Number closed.	Aggregate days closed.	Average days closed.
1 Agricultural implements.....	3	2	5	3	67	22.3
2 Boots and shoes.....	10	1	11	10	156	15.6
3 Brick.....	111	2	118	107	2,341	20.1
4 Building trades.....	707	3	710	157	9,672	61.6
5 Carriages and wagons.....	4	2	6	6	21	3.5
6 Clothing.....	89	3	92	80	1,076	12.5
7 Cooperage.....	210	70	280	247	2,169	8.1
8 Food preparations.....	70	3	73	57	493	7.3
9 Furniture.....	109	.....	109	104	2,453	22.6
10 Gas and coke.....	1	3	4	.....	.....	.....
11 Glass.....	8	.....	8	8	797	99.6
12 Leather and leather goods.....	8	.....	8	6	283	47.2
13 Lumber.....	151	.....	151	151	2,362	14.9
14 Machines and machinery.....	44	.....	44	31	416	13.4
15 Metals and metallic goods.....	157	19	176	115	2,788	24.3
16 Mining.....	216	75	291	281	11,182	39.8
17 Pottery, earthenware, etc.....	3	.....	3	2	12	6.0
18 Printing and publishing.....	4	5	9	5	55	11.0
19 Public ways construction.....	4	6	10	9	57	6.3
20 Public works construction.....	2	5	7	5	7	1.4
21 Railroad car building.....	4	2	6	3	21	7.0
22 Rope and bagging.....	.....	1	1	1	2	2.0
23 Rubber goods.....	.....	2	2	2	17	8.5
24 Shipbuilding, etc.....	6	.....	6	7	176	29.1
25 Stone quarrying and cutting.....	72	28	100	100	1,761	17.6
26 Telegraphy.....	1	1	2	.....	.....	.....
27 Tobacco.....	129	2	131	122	1,063	8.9
28 Transportation.....	60	192	252	233	1,394	6.0
29 Watches.....	.....	4	4	1	1	1.0
30 Wooden goods.....	101	5	106	89	1,360	15.3
31 Woolen goods.....	.....	5	1	1	51	31.0
32 Miscellaneous.....	40	1	45	14	123	9.9
Total.....	2,824	444	2,768	1,957	42,106	21.5

Table III.—

INDUSTRIES.	NUMBER OF EMPLOYEES.					
	BEFORE STRIKE.			AFTER STRIKE.		
	Male.	Female.	Total.	Male.	Female.	Total.
1 Agricultural implements.....	5,307	40	5,347	6,152	55	6,207
2 Boots and shoes.....	800	247	1,047	800	247	1,047
3 Brick.....	5,180	.....	5,180	5,180	.....	5,180
4 Building trades.....	18,952	.....	18,952	18,952	.....	18,952
5 Carriages and wagons.....	935	28	963	892	26	918
6 Clothing.....	1,915	1,986	3,901	1,911	1,984	3,895
7 Cooperage.....	5,910	.....	5,910	5,898	.....	5,898
8 Food preparations.....	36,744	880	37,624	36,828	820	37,648
9 Furniture.....	9,862	25	9,887	9,997	25	10,022
10 Gas and coke.....	480	.....	480	545	.....	545
11 Glass.....	1,905	.....	1,905	1,905	.....	1,905
12 Leather and leather goods.....	918	.....	918	918	.....	918
13 Lumber.....	12,016	.....	12,016	12,016	.....	12,016
14 Machines and machinery.....	5,285	.....	5,285	5,094	.....	5,094
15 Metals and metallic goods.....	24,611	281	24,892	23,558	267	23,825
16 Mining.....	30,489	.....	30,489	30,151	.....	30,151
17 Pottery, earthenware, etc.....	495	.....	495	495	.....	495

*Illinois, by Industries.*

DURATION (DAYS).		RESULTS.			EMPLOYEES'—		EMPLOYERS' LOSS.	
Aggregate.	Average.	Succeeded.	Succeeded partly.	Failed.	Loss.	Assistance.		
125	25.0	1	1	3	\$158,789	\$3,230	\$129,500	1
108	15.3	1	1	9	19,082	.....	16,750	2
2,361	20.9	64	23	16	233,796	.....	21,251	3
15,315	21.6	681	20	9	730,538	20,845	1,302,106	4
21	8.5	1	1	4	4,680	.....	2,400	5
1,146	12.5	48	38	6	84,314	7,438	92,132	6
2,508	8.9	261	20	9	97,538	2,450	84,383	7
491	6.7	25	.....	45	430,351	15	573,244	8
2,499	22.9	12	27	70	317,914	10,438	257,655	9
85	8.8	1	1	2	4,292	.....	2,300	10
797	99.6	5	2	1	309,063	69,600	70,500	11
336	49.4	1	.....	7	75,138	1,850	184,143	12
2,252	14.9	.....	1	150	270,096	150	200,500	13
908	20.5	7	5	32	159,149	8,235	66,400	14
4,365	24.8	56	14	106	1,414,959	23,909	981,720	15
11,568	39.7	72	11	208	1,527,423	24,070	588,545	16
13	4.3	1	.....	2	4,001	20	2,050	17
142	15.8	3	1	5	7,070	.....	5,175	18
56	5.8	3	.....	7	11,549	.....	5,725	19
19	2.7	2	2	3	6,602	.....	2,350	20
25	5.8	1	1	4	62,025	.....	23,575	21
2	2.0	.....	.....	1	84	.....	150	22
20	10.0	1	.....	1	1,473	.....	1,500	23
183	22.9	.....	6	2	18,225	.....	19,350	24
1,761	17.6	1	60	39	179,493	.....	45,455	25
36	19.0	.....	.....	2	6,150	.....	6,500	26
1,337	10.2	117	9	5	25,536	4,132	8,920	27
1,580	7.3	101	10	141	242,742	32,968	291,325	28
23	5.8	1	.....	3	5,248	.....	6,800	29
1,629	15.4	17	19	70	208,678	1,000	206,090	30
81	31.0	.....	.....	1	3,315	.....	3,000	31
674	15.0	25	3	17	30,990	2,995	45,455	32
52,735	19.1	1,499	286	983	\$5,636,208	\$288,452	\$5,251,829	

Continued.

EMPLOYEES STRIKING.	EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			BROUGHT FROM OTHER PLACES.	
	Male.	Female.	Total.	Male.	Female.	Total.		
5,347	5,307	40	5,347	1,755	15	1,770	920	1
897	670	227	897	.....	.....	.....	.....	2
4,780	4,995	.....	4,995	61	.....	61	.....	3
9,466	9,658	.....	9,658	1,123	.....	1,123	125	4
983	955	28	983	19	.....	19	.....	5
2,899	1,913	1,986	3,899	20	16	36	.....	6
5,896	5,896	.....	5,896	530	.....	530	368	7
31,640	32,825	120	33,015	201	.....	201	.....	8
9,132	9,267	27	9,292	1,080	.....	1,080	430	9
465	480	.....	480	385	.....	385	.....	10
1,275	1,305	.....	1,305	1	.....	1	.....	11
245	261	.....	261	.....	.....	.....	.....	12
8,016	12,016	.....	12,016	.....	.....	.....	.....	13
4,268	4,323	.....	4,323	344	.....	344	173	14
16,570	21,771	231	22,002	1,738	.....	1,738	1,014	15
28,307	30,159	.....	30,159	3,075	.....	3,075	1,681	16
345	345	.....	345	60	.....	60	.....	17



Table III.—

INDUSTRIES.	NUMBER OF EMPLOYEES.					
	BEFORE STRIKE.			AFTER STRIKE.		
	Male.	Female.	Total.	Male.	Female.	Total.
18 Printing and publishing.....	360	35	395	335	35	370
19 Public ways construction.....	1,298	.....	1,298	1,298	.....	1,298
20 Public works construction.....	1,017	.....	1,017	1,087	.....	1,087
21 Railroad car building.....	4,890	.....	4,890	4,890	.....	4,890
22 Rope and bagging.....	50	40	90	50	40	90
23 Rubber goods.....	75	30	105	75	30	105
24 Shipbuilding, etc.....	775	.....	775	775	.....	775
25 Stone quarrying and cutting.....	5,795	.....	5,795	5,745	.....	5,745
26 Telegraphy.....	200	.....	200	190	.....	190
27 Tobacco.....	1,947	.....	1,947	1,925	.....	1,925
28 Transportation.....	17,887	.....	17,887	17,877	.....	17,877
29 Watches.....	1,379	607	1,986	1,329	557	1,886
30 Wooden goods.....	8,848	120	8,968	8,766	120	8,886
31 Woolen goods.....	60	65	125	60	65	125
32 Miscellaneous.....	3,863	78	3,941	3,863	78	3,941
Total.....	210,148	3,862	214,010	209,481	3,821	213,302

Of all industries it will be seen the building trades sustained the greatest number of strikes, which was 710, involving 9,650 men directly, while affecting more or less the 18,852 persons employed in the trades on strike. The loss in wages in this industry was however, but \$720,538, though the employers' losses seem phenomenally large, being \$1,302,106. The mining industry furnishes the second largest number of strikes, or 291, being 10.5 per cent. of the whole, while the losses in wages to miners is greater than that of any single industry, amounting to \$1,527,428, or 23 per cent., of the total of wage losses. In the strikes in this industry alone 30,159 men were involved. It may be of interest to state that of all the strikes among miners in the United States during the period covered, 14 per cent. were in Illinois. Pennsylvania leads with 880, Ohio had 493, Illinois 291; these three states furnishing 76 per cent. of all the strikes among miners. They also produce 72 per cent. of all the coal mined in the country.

It will also be seen that 208, or 71.48 per cent., of the strikes among miners in this State failed, while only 72 succeeded, the percentage of failures being greater in this than in any other industry except lumber. The cooperage industry furnishes 280 strikes, involving 5,896 men, and a wage loss of \$97,538. Of these 251, or 89.8 per cent., proved successful, while only 9 completely

Continued.

EMPLOYEES STRIKING.	EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			BROUGHT FROM OTHER PLACES.
	Male.	Female.	Total.	Male.	Female.	Total.	
392	357	35	392	57	30	87	84
1,128	1,128	.....	1,128	438	.....	438	238
1,017	1,017	.....	1,017	240	.....	240	150
3,640	3,640	.....	3,640	.....	.....	.....	.....
10	50	40	90	.....	.....	.....	.....
52	72	30	102	.....	.....	.....	.....
775	775	.....	775	125	.....	125	100
4,753	5,795	.....	5,795	250	.....	250	215
150	150	.....	150	180	.....	180	25
1,808	1,812	.....	1,812	67	.....	67	36
17,872	17,872	.....	17,872	2,782	.....	2,782	1,853
841	551	290	841	39	.....	64	11
7,980	8,220	130	8,340	1,729	25	1,774	80
30	60	30	120	7	45	15	15
3,578	3,577	76	3,753	158	8	173	25
175,837	188,592	8,813	191,905	16,439	161	16,590	7,466

failed, making a sharp contrast with the failures met with by the miners. Throughout the United States there were 484 strikes in the cooperage industry, 280, or 57.9 per cent., were in Illinois. With more miles of railroad than any other State, the transportation business of the State furnishes 252 strikes, as against 950 in New York. In the 252 strikes in Illinois, 17,872 men were involved, and the loss in wages was \$242,742; 110 of these strikes succeeded, while 142 failed. The manufacture of metals and metallic goods furnishes 176 strikes, involving 21,771 men, and entailing a loss in wages of \$1,414,959, the largest wage loss except that in the mining industry. Of these strikes only 56 succeeded, while 106 were lost. As regards this industry in other States, there were 442 strikes in New York and 308 in Pennsylvania. Illinois follows next and in Maryland and Ohio there were 150 each out of a total of 1,570 for the entire country.

It will be seen that the lumber industries furnish 151 strikes, in which 12,016 men were involved, with a loss of \$270,096 in wages, and a loss to employers of \$200,500. Of these strikes 150 failed and only one succeeded partially, none proving a complete success.

Substantially all of the strikes in the lumber industry occurred in this State and in Michigan, which had 182 out of a total for

the United States of 395. One remarkable thing developed in the comparison is that in this particular industry all of the strikes in Illinois were ordered by labor organizations, and they all failed, while in Michigan one was ordered, 181 were not ordered, 54 succeeded and 127 failed. This fact becomes notable in view of the fact that in totals for Illinois, as shown by a preceding table, a greater percentage of organized strikes succeeded than of unorganized, while in this industry the opposite occurred. The brick-making industry sustained during the six years 113 strikes, in which 4,995 men lost \$233,796 in wages. This was a greater number than was sustained in the same industry in any other state, New York having 105 and the District of Columbia following with 93.

Tobacco industries sustained 131 strikes, involving 1,812 men, and a wage loss of \$25,236. Of these 129 were ordered by labor organizations, and 117 succeeded. The tobacco industry throughout the United States sustained 2,959 strikes, of which 2,103 were in New York, Illinois following with 131 and Florida with 127.

Stone quarrying sustained 100 strikes, in which 5,795 men were involved. Wooden goods had 106 strikes, involving 8,220 men, and a wage loss of \$208,678. Of these 70 failed. Almost half the strikes occurring in this industry were in Illinois. The strikes in the industries classified as food preparations are important, not so much from the number of strikes, which is small, being but 73, as from the number of persons involved. In this particular these strikes become more important than any in the State, involving in 73 strikes 32,895 persons, a loss of wages amounting to \$430,981, and a loss to employers of \$578,244. This class includes the stock yards and packing house strikes in Chicago, which accounts for the very large number of men involved.

To recapitulate, then, Table No. III indicates that the eleven leading industries—namely: the building trades, having 710 strikes, mining 291, cooperage 280, transportation 192, metallic goods 176, lumber 151, tobacco 131, furniture 109, wooden goods 106, brick 113, stone quarrying 100—sustained a total of 2,359 strikes, being 85.19 per cent. of the whole number, and these involved 127,461 men out of a total of 188,592. In these eleven industries oc-

occurred 74.96 per cent. of all the strikes in the United States. Fourteen per cent. of the strikes in these industries was in Illinois, while 12.41 per cent. of all strikes occurred in this State.

### ILLINOIS AS COMPARED WITH OTHER STATES.

As a comparison of the strikes in this with those in other states may be of interest, the aggregates for the more important states are here given. Massachusetts, which is here classed among the New England States, had 995 strikes; New York aggregates 9,247; Pennsylvania, 2,442; New England States, 1,358; Ohio, 1,240; Missouri, 1,104; Illinois, 2,768. In this connection Hon. Carroll D. Wright, Commissioner, makes an interesting comparison of five selected states. In commenting upon his tables of strikes and lockouts for the entire United States, he says: "In examining the number of establishments affected by strikes and lockouts by states, it will be found that the number in the states of New York, Pennsylvania, Massachusetts, Ohio and Illinois constituted 74.84 per cent. of all the establishments in the country, so far as strikes are concerned, and 89.48 per cent. of all the establishments affected in the country so far as lockouts are considered."

He then presents the following interesting table where the totals of the five selected states are compared with the total for the entire country by years.

COMPARISON OF UNITED STATES WITH TOTAL OF NEW YORK, PENNSYLVANIA, MASSACHUSETTS, OHIO, AND ILLINOIS.

YEARS.	STRIKES.			LOCKOUTS.		
	Total establishments in the United States.	Establishments in the five selected states.	Per cent.	Total establishments in the United States.	Establishments in the five selected states.	Per cent.
1881.....	2,928	2,154	73.57	9	4	44.44
1882.....	2,105	1,499	71.21	42	23	54.76
1883.....	2,759	2,046	74.16	117	105	89.74
1884.....	2,867	1,896	80.10	364	306	86.44
1885.....	2,284	1,686	69.44	183	140	76.50
1886.....	9,861	7,511	76.17	1,509	1,408	93.93
All years .....	22,904	16,692	74.84	2,214	1,981	89.48

These five states contain 49 per cent. of all the manufacturing establishments, and employ 58 per cent. of the capital invested in mechanical industries of the United States, taking the census of 1880 as the basis of computation.

While comparisons instituted between states, or a group of states and the whole number have points of interest, yet it must be borne in mind that industries know no state lines, and strikes in any given branch are no more bounded by state lines than by county lines. Industrial lines are the only boundaries in this case, as a strike, in a given industry, or trade, follows up the line of that industry regardless of geographical boundaries. An instance of this, perhaps the most striking one, is to be found in the building trades. In these trades New York had 2,591 strikes, Illinois 710, Missouri 697, Massachusetts 492, or 49.4 per cent. of all the strikes in the State, Pennsylvania 380. The District of Columbia with a total of but 383, had 242 strikes in these trades, while Louisiana with but 190 strikes in all, had 132 in the building trades. States of little importance in the totals for all strikes, take high rank in particular industries.

In the boot and shoe industry Massachusetts had 171 strikes, New York 39, Ohio 40, and Maine with a total of 41 strikes had 14 in this industry. Illinois had 11. In the manufacture of brick Illinois leads with 113 strikes, New York had 105, the District of Columbia 93, Ohio 50. In cooperage Illinois gives 280 strikes, while no other state had a considerable number except Ohio with 56.

In the manufacture of furniture New York has 200 strikes, Illinois 109, Missouri 68, out of a total for that industry in the United States of 491. In machines and machinery Illinois leads with 44 strikes, New York 37, New Jersey 22, Ohio 18, Pennsylvania 17, and Colorado 10, out of a total of 180 for the entire country. In the designation, metals and metallic goods, are classified such industries as barbed-wire, wires of all kinds, brass and iron foundries, etc. In this industry there occurred 176 strikes in Illinois, 442 in New York, 308 in Pennsylvania, 150 in Ohio; in the New England States 121, Maryland 150, and Missouri 44 out of a total of 1,570 in this line of goods.

In mining, out of a total for the United States of 2,060 strikes Illinois had 291, or 14.12 per cent.; Pennsylvania 880, or 42.71 per cent.; Ohio 493, or 23.93 per cent.; Iowa 130, or 6.31 per cent.; while Colorado follows with 46, Indiana 43, Missouri 40, and West Virginia 33.

In transportation, out of a total of 1,478 strikes, New York had 950, Illinois 252, while Missouri follows with 47, the number in other states being comparatively small.

### CAUSES OF STRIKES.

Below is given a summary of causes of strikes by years, in which a classification of the entire number of strikes has been made, according to the cause or object for which they were inaugurated:

TABLE IV.—*Summary of Causes, etc., of Strikes in Illinois, by Years.*

Years and cause or object.	Estab- lish- ments.	Suc- ceeded.	Suc- ceeded partly.	Failed.
<b>1881.</b>				
Against discharge of employes.....	1			1
Against employment of additional apprentices.....	1			1
Against extra work without extra pay.....	2	2		
Against reduction of wages.....	7	1	1	5
For adoption of union, etc., scale of prices.....	1			1
For discharge of an employe.....	2	1		1
For discharge of foremen.....	3	1		2
For fixed rate of wages.....	1			1
For increase and readjustment of wages.....	1			1
For increase of wages.....	237	140	33	64
For increase of wages and reduction of hours.....	1		1	
For increase of wages or reduction of hours.....	1	1		
For payment of wages overdue.....	5	3		2
For reduction of hours.....	7	5		2
For reinstatement of discharged employes.....	1			1
<b>1882.</b>				
Against discharge of employes.....	4			4
Against employment of colored miners.....	1			1
Against employment of non-union men.....	1			1
Against increase of hours.....	2	1		
Against obnoxious rules.....	2			2
Against reduction of wages.....	22	3		19
For adoption of new scale of prices.....	1			1
For adoption of union, etc., scale of prices.....	1		1	
For change of screen (coal miners).....	1			1
For discharge of an employe.....	1	1		
For equalization of hours.....	1			1
For equal rate of wages winter and summer.....	1	1		
For increase of force.....	1	1		
For increase of wages.....	153	104	8	40
For increase of wages and reduction of hours.....	9	1		8
For payment of wages overdue.....	6	4		2
For reinstatement of a discharged employe.....	1			1

Table IV.—Continued.

Year and cause or object.	Estab-lish-ments.	Suc-ceeded.	Suc-ceeded partly.	Failed.
<b>1883.</b>				
Against appointment of a yardmaster.....	12			12
Against change of screen (coal miners).....	1			1
Against discharge of employes.....	1			1
Against employment of additional apprentices.....	1			1
Against employment of non-union men.....	1			1
Against reduction of wages.....	32	11		21
For adoption of union, etc., rules.....	1	1		
For change of screen (coal miners).....	1	1		
For employment of checkweighman.....	4	4		
For increase of wages.....	381	301	28	52
For increase of wages and against new employes.....				1
For increase of wages and enforcement of union indenture rules..	132	132		
For pay for slack (coal miners).....	1	1		
For payment of wages overdue.....	6	3		3
In sympathy with strike elsewhere.....	1			1
<b>1884.</b>				
Against patent matter (compositors).....	1			1
Against reduction of wages.....	22	10		12
For adoption of union, etc., rules.....	1			1
For adoption of union, etc., scale of prices.....	1	1		
For increase of wages.....	91	42		49
For increase of wages and reduction of hours.....	304	303		1
For payment of wages overdue.....	6	3		3
For recognition of union.....	1			1
In sympathy with strike elsewhere.....	2			2
<b>1885.</b>				
Against change in method of digging coal.....	2			2
Against change of rules.....	1	1		
Against deduction for imperfect work.....	1			1
Against discharge of employes.....	3	1		2
Against discharge of union employes.....	1			1
Against double-header freight trains.....	1			1
Against employment of additional apprentices.....	1	1		
Against employment of non-union men.....	3	2		1
Against extra work without extra pay.....	3	3		
Against introduction of machinery.....	1			1
Against patent matter (compositors).....	1			1
Against reduction of hours and wages.....	1			1
Against reduction of wages.....	33	18	10	10
For discharge of a foreman.....	1			1
For discharge of non-union employes.....	3			3
For increase of wages.....	143	77		71
For payment of wages overdue.....	5	3		2
For reinstatement of discharged employes.....	2			2
In anticipation of a lockout.....	2			2
In sympathy with strike elsewhere.....	3			3
<b>1886.</b>				
Against discharge of employé.....	1			1
Against discharge of a foreman.....	1			1
Against employment of additional apprentices.....	1	1		
Against employment of non-union men.....	5	2		3
Against extra work without extra pay.....	3			3
Against increase of hours.....	45	5		40
Against loading Lakeshore cars (pork packers).....	1			1
Against overcharge in supplies—powder, tools, etc., (coal miners).....	2		1	1
Against poor quality of material.....	1			1
Against reduction of wages.....	27	12		15
Against reduction of wages and discharge of employes.....	1	1		
For adoption of union, etc., rules.....	1	1		
For adoption of union, etc., scale of prices.....	3	3		
For appointment of an arbitrator.....	3			3
For change of rules.....	1			1
For change of screen (coal miners).....	1	1		
For discharge of an employé.....	1			1
For discharge of non-union employes.....	3	1		2
For employment of a checkweighman.....	1			1

Table IV.—Continued.

Year and cause or object.	Estab- lish- ments.	Suc- ceeded.	Suc- ceeded partly.	Failed.
For increase of wages .....	141	73	26	42
For increase of wages and reduction of hours .....	180	7	5	168
For increase of wages and weekly payments .....	1			1
For increase of wages or reduction of hours .....	89	36		3
For increase of wages, reduction of hours and discharge of non-union employes .....	1			1
For payment of wages overdue .....	3	1		2
For piece instead of day work .....	2		1	1
For readjustment of wages .....	1	1		
For recognition of union .....	13			18
For reduction of hours .....	501	100	170	231
For reduction of hours and discharge of a foreman .....	1			1
For reduction of hours and for weekly payments .....	1			1
For reduction of hours and recognition of union .....	2			3
For reduction of hours and wages .....	65	61	1	3
For regular payments .....	3	3		
For reinstatement of discharged employes .....	1			1
In sympathy with strike elsewhere .....	3	1		2

It will be seen that 237, or 97 per cent. of the whole number of strikes for 1881, were for increase of wages; no other cause contributing a considerable number. Of these 140, or 59 per cent., succeeded, 33, or 14 per cent., partly succeeded, while 64, or 27 per cent., failed. In 1882 there were 152, or 73.8 per cent., for increase in wages. Of these 104, or 68.4 per cent., succeeded, 8 partly succeeded and 40 failed. There were during this year 22 strikes against reduction of wages, or 10.7 per cent. of the whole number. Of these 19 failed, only 3 proving successful.

Of the 576 strikes in 1883, 381 were for increase of wages, being 66.1 per cent. of the whole, while 132 cases presented a complication of union rules with a demand for increased pay. Classing both as demand for increase, they comprise nearly 90 per cent. of the strikes of that year. Of those for increased pay alone 79 succeeded, while all of those presenting a complicated cause were successful. There were 32 strikes against reduction of pay, 11 of which succeeded and 21 failed.

In 1884 there were 429 strikes, 91 or 21.2 per cent were for increase in wages simply, 304, or 70.7 per cent., were for increased pay with reduction of the hours of labor, these two constituting 91.9 per cent. of the whole, being virtually for increase in pay. Three hundred and forty-five, or 87.3 per cent., of these succeeded,



and 50 failed. There were 22 against reduction of pay, of these 10 succeeded and 12 failed. Of the 226 strikes in 1885, 148, or 65.5 per cent. were for increase, and 38 against reduction of pay.

In 1886 there were 1,060 strikes, of these 569 were for reduction in the hours of work per day, while 361 might properly be classed as for increase of pay, though in some of these cases complications arose as to hours of labor. There were 45 strikes against increase of hours, and 27 against reduction of wages.

Of the total number then, in six years, 1805 or 65.2 per cent were to secure increased remuneration for labor performed. Of these 1,215 or 67.3 per cent. succeeded. There were 148 against reductions in wages, 55, or 37.2 per cent., of which proved successful to the strikers. There were 580 or 20.9 per cent. of the whole number which were for reduction of hours of these but 167 or 29 per cent. succeeded. These three causes cover 91.5 per cent. of all the strikes. Of the 102 strikes inaugurated to enforce the adoption of the rules of trade-unions, to prevent the employment of non-union men, or prevent the discharge of union men, to force the discharge of obnoxious foremen or other employes, or simply to aid other strikers in what is termed "sympathetic strikes," only 18 succeeded. The percentage of successful strikes being smaller among those strikes inaugurated to enforce a recognition of unions, and matters connected with them than in any other class.

As indicative of the proportion of offensive and defensive strikes, it will be seen from the table that of the 2,768 strikes 258 were "against" some action or proposed action of employers, while 2,510 were "for" some object proposed by the workmen.

On the matter of causes of strikes the U. S. Commissioner of Labor, speaking of the entire United States, says:

"Upon an examination of the causes for which strikes were undertaken, it is found that seventeen causes constitute 90.28 per cent. of all the establishments, leaving 297 causes operative in only 9.72 per cent. of establishments. Even four leading causes are seen to cover 77.16 per cent. of establishments. These facts are brought out clearly in the following exhibit of causes:

## LEADING CAUSES OF STRIKES—NUMBER AND PER CENT. FOR THE UNITED STATES.

Cause or Object.	Establishments.	Per cent.
For increase of wages.....	9,439	42.32
For reduction of hours.....	4,344	19.48
Against reduction of wages.....	1,731	7.77
For increase of wages and reduction of hours.....	1,692	7.59
For reduction of hours and against being compelled to board with employer.....	800	3.59
For change of hour of beginning work.....	380	1.61
For increase of wages and against the contract system.....	288	1.07
For increase of wages and against employment of non-union men.....	215	.96
In sympathy with strike elsewhere.....	173	.77
For 9 hours' work with 10 hours' pay.....	172	.77
Against employment of non-union men, foremen, etc.....	162	.73
For increase of wages and recognition of union.....	145	.65
For adoption of union, etc., scale of prices.....	142	.64
Against increase of hours.....	138	.62
For increase of wages and enforcement of union indenture rules.....	132	.59
For reduction of hours and wages.....	126	.56
For reinstatement of discharged employes, foremen, etc.....	124	.56
	20,186	87.28
All other causes (297).....	2,166	9.73
Total for the United States.....	22,354	100.00

Strikes for an increase of wages occurred in 9,439 establishments; of these the strikes in 6,229, or 65.99 per cent., were successful, while in 796, or 8.43 per cent., the strikes were partly successful, and in 2,414 establishments, or 25.58 per cent., the strikes for this cause failed.

In 4,344 establishments strikes were resorted to to secure a reduction of the hours of labor; in 1,055, or 24.29 per cent., success was the result; in 966, or 22.24 per cent., the strikes were partly successful; and in 2,323, or 53.47 per cent., the strikers were defeated."

## RECOVERY FROM STRIKES.

In the following tables exhibit is made of the time required for the strikers to regain through increased wages, the losses sustained in wages during the strike. In this table only those strikes are given which were inaugurated to secure increase in wages and which were successful in securing that increase to all persons involved. Strikes for increase in pay in which all the employes involved did not, as a result of the strike, receive the increase, have been eliminated from this table because of the impossibility of finding a method of commutation that would be just and at the same time susceptible of tabulation. The strike number is given in each case as a reference to the general table, where each case can be identified by these strike or office numbers.

TABLE V.—*Days Required for Employes to Recover Wage Losses in Wholly Successful Strikes for Increase of Wages.*

Strike number.	Average wages lost per employé during strike.	Average daily wage gain per employé by strike.	Average days required to meet loss.	Strike number.	Average wages lost per employé during strike.	Average daily wage gain per employé by strike.	Average days required to meet loss.
472.....	\$32 40	\$0 25	180	708.....	\$2 00	\$0 25	8
475.....	10 32	25	41	710.....	2 00	25	8
476.....	16 26	50	33	711.....	5 00	50	10
478.....	40 51	25	162	712.....	6 00	25	24
479.....	24 00	25	96	726.....	9 00	25	36
485.....	90 00	30	400	728.....	10 50	25	42
490.....	52 00	25	208	761.....	6 00	25	24
498.....	15 75	04	394	762.....	4 00	25	16
500.....	15 00	25	60	763.....	2 00	25	8
502.....	4 50	25	18	764.....	6 00	25	24
510.....	14 25	15	96	765.....	5 00	50	10
517.....	54 33	25	223	766.....	6 00	25	24
521.....	2 00	20	10	776.....	9 00	25	36
523.....	22 01	17	129	777.....	36 00	25	144
530.....	2 50	25	10	780.....	12 13	25	49
539.....	1 76	25	7	802.....	2 00	50	4
541.....	6 53	15	44	817.....	18 00	25	72
542.....	5 00	25	20	818.....	45 50	25	182
543.....	2 50	25	10	821.....	9 00	25	36
544.....	8 00	25	24	825.....	125 00	15	833
546.....	37 50	10	375	837.....	16 28	25	67
553.....	4 00	25	16	839.....	6 00	25	24
554.....	6 00	25	24	840.....	2 00	25	8
555.....	2 00	25	8	841.....	4 00	25	16
556.....	5 00	50	10	842.....	6 00	25	24
557.....	2 00	25	8	843.....	6 00	25	24
558.....	6 00	25	24	844.....	5 00	50	10
570.....	1 27	25	5	847.....	6 00	25	24
579.....	1 25	25	5	858.....	11 20	23	49
581.....	12 00	25	48	866.....	24 00	25	96
582.....	18 44	25	54	876.....	2 72	04	68
583.....	24 00	25	96	897.....	18 00	10	140
584.....	16 51	25	66	898.....	8 00	10	30
585.....	15 00	25	60	903.....	25 00	25	100
601.....	16 49	50	33	905.....	13 51	25	54
603.....	67 83	50	136	906.....	12 00	25	48
618.....	2 00	25	8	911.....	12 01	35	34
620.....	31 19	25	125	1060.....	30 00	50	60
624.....	15 00	40	39	1064.....	9 60	40	24
626.....	6 25	25	25	1069.....	27 00	05	540
634.....	2 00	25	8	1079.....	140 00	25	560
635.....	4 00	25	16	1086.....	52 50	25	210
636.....	6 00	25	24	1089.....	9 00	25	36
637.....	5 00	50	10	1091.....	10 51	15	70
638.....	6 00	25	24	1126.....	8 00	05	160
640.....	6 00	25	24	1126.....	2 39	05	48
652.....	4 51	75	6	1137.....	3 00	25	12
654.....	12 00	1 00	12	1139.....	6 00	25	24
654.....	12 00	25	48	1140.....	2 00	25	8
659.....	40 00	44	91	1141.....	4 00	25	16
663.....	65 00	25	260	1150.....	6 00	30	18
665.....	1 58	10	16	1157.....	6 00	30	30
668.....	8 00	10	30	1159.....	6 00	25	24
699.....	4 50	10	45	1161.....	6 00	25	24
700.....	6 00	10	60	1162.....	6 00	25	24
701.....	7 50	10	75	1163.....	5 00	50	10
702.....	9 00	10	90	1171.....	2 00	25	8
703.....	22 50	10	225	1281.....	32 94	45	73
704.....	42 89	05	858				
706.....	6 00	25	24	Averages.	\$16 00	25	61
707.....	4 00	25	16				

Taking the whole number of strikes for the entire period of six years, it is found that 17,922 men were involved in successful strikes for increase in wages. The loss in wages sustained by these 17,922 persons amounted to \$286,472, an average loss of \$16

each. By the successful issue of these strikes, however, the wages of these men was 26 cents per day higher than before. It would therefore require an average of 61 days for the strikers to meet the actual loss in wages, by the increase resulting from the strike. That is, it would take 61 days at 26 cents, the average gain per day, to make up the \$16 average loss. Taking the same class of strikes in the entire United States, in which 168,761 persons were involved and the total loss in wages was \$3,445,478, we find an average loss of \$20.42, an average gain of 27 cents per day, and 76 days as the time required for the gain to meet the loss.

There follows a table similar to the preceding one, but including only those strikes inaugurated to secure an increase in wages, in which all persons employed in the several establishments joined in the strike, but in which the strikers were only partly successful—that is, where only a portion of the demanded increase was secured.

*Days Required for Employes to Recover Wage Losses in Partly Successful Strikes for Increase of Wages.*

Strike number.	Average wages lost per employé during strike.	Average daily wage gain per employé by strike.	Average days required to meet loss.	Strike number.	Average wages lost per employé during strike.	Average daily wage gain per employé by strike.	Average days required to meet loss.
470 .....	\$9 00	\$0 15	60	551 .....	\$23 80	\$0 05	676
474 .....	1 13	12	9	552 .....	13 10	25	52
486 .....	73 86	15	492	576 .....	15 00	13	115
487 .....	28 20	15	188	619 .....	11 10	15	74
488 .....	75 56	15	504	629 .....	89 00	25	156
501 .....	6 77	15	45	650 .....	79 73	13	613
508 .....	6 00	10	60	696 .....	12 00	25	48
506 .....	108 88	16	646	896 .....	1 75	45	4
534 .....	25 33	25	101	907 .....	25 00	40	63
536 .....	3 25	25	18	965 .....	6 00	50	12
540 .....	28 80	05	576	999 .....	22 50	15	150
546 .....	38 52	05	770				
547 .....	33 80	05	676	Averages.	\$38 00	\$0 19	200

In these partially successful strikes for increased pay 3,303 men were involved, sustaining an aggregate wage loss of \$125,674, or an average of \$38 per striker. The average gain was 19 cents per day; the average time required for gain to meet loss would hence be 200 days. In the wider range of the entire United States in this class of strikes 34,047 men were involved, the total wage loss being \$1,475,673, or an average loss per employé of \$43.34. The average gain was 12 cents per employé per day, and the average number of days required for gain to meet the loss was 361.

The following table summarizes the causes of strikes by the industries in which they occurred, for the entire period of six years.

TABLE VI.—*Summary of Causes, etc., of Strikes in Illinois, by Industries.*

Industries and cause or object.	Estab-lish-ments.	Suc-ceeded.	Suc-ceeded. partly.	Failed.
<b>AGRICULTURAL IMPLEMENTS.</b>				
For discharge of an employé .....	1			1
For discharge of a non-union employé .....	1			1
For increase of wages .....	2	1		1
For increase of wages and reduction of hours .....	1		1	
<b>BOOTS AND SHOES.</b>				
Against reduction of wages .....	4	1		3
For increase of wages .....	2		1	1
For reduction of hours .....	5			5
<b>BRICK.</b>				
Against reduction of wages .....	14	1		13
For increase of wages .....	57	27	28	2
For payment of wages overdue .....	1			1
For reduction of hours .....	41	36	5	
<b>BUILDING TRADES.</b>				
Against employment of non-union men .....	2	1		1
Against increase of hours .....	5	5		
For adoption of union, etc., rules .....	1			1
For change of rules .....	1			1
For discharge of non-union employé .....	1			1
For increase of wages .....	184	182		2
For increase of wages and enforcement of union indenture rules .....	133	133		
For increase of wages and reduction of hours .....	301	300		1
For reduction of hours .....	23	1	20	2
For reduction of hours and wages .....	60	60		
<b>CARRIAGES AND WAGONS.</b>				
For increase of wages .....	1		1	
For increase of wages and reduction of hours .....	1			1
For increase of wages or reduction of hours .....	1			1
For reduction of hours .....	3	1		2
<b>CLOTHING.</b>				
Against extra work without extra pay .....	6	3		3
For appointment of an arbitrator .....	2			2
For increase of wages .....	6	6		
For increase of wages and reduction of hours .....	3	3		
For increase of wages or reduction of hours .....	36	36		
For reduction of hours .....	38		38	
<b>COOPERAGE.</b>				
Against reduction of wages .....	28	23		1
For increase of wages .....	256	229	20	7
In sympathy with strike elsewhere .....	1			1
<b>FOOD PREPARATIONS.</b>				
Against increase of hours .....	36			36
Against loading Lakeshore cars .....	1			1
For increase of wages .....	2			2
For increase of wages and reduction of hours .....	9	1		8
For reduction of hours .....	25	24		1

Table VI—Continued.

Industries and cause or object.	Estab- lish- ments.	Suc- ceeded.	Suc- ceeded partly.	Failed.
<b>FURNITURE.</b>				
Against employment of additional apprentices.	1			1
For discharge of an employé.	1			1
For increase of wages.	4	1	8	
For increase of wages and reduction of hours.	8		1	2
For increase of wages or reduction of hours.	1			1
For increase of wages, reduction of hours, and discharge of non-union employés.	1			1
For reduction of hours.	96	10	28	68
For reduction of hours and recognition of union.	1			1
For regular payments.	1	1		
<b>GAS AND COKE.</b>				
For reduction of hours.	8	1	1	1
For reinstatement of discharged employés.	1			1
<b>GLASS.</b>				
Against reduction of wages.	6	4	2	
For discharge of an employé.	1	1		
For reinstatement of discharged employés.	1			1
<b>LEATHER AND LEATHER GOODS.</b>				
For increase of wages.	7			7
For reduction of hours.	1	1		
<b>LUMBER.</b>				
For increase of wages.	1		1	
For increase of wages and reduction of hours.	150			150
<b>MACHINES AND MACHINERY.</b>				
Against employment of non-union men.	1			1
Against increase of hours.	1			1
Against reduction of wages.	2	2		
For adoption of union, etc., rules.	1	1		
For increase of wages.	7	2	8	2
For increase of wages and reduction of hours.	1		1	
For payment of wages overdue.	1	1		
For reduction of hours.	28	1	1	26
In anticipation of a lockout.	2			2
<b>METALS AND METALLIC GOODS.</b>				
Against deduction for imperfect work.	1			1
Against discharge of employés.	2			2
Against employment of additional apprentices.	1			1
Against employment of non-union men.	4	1		3
Against increase of hours.	2			2
Against reduction of wages.	12	2		10
For adoption of new scale of prices.	1			1
For adoption of union, etc., scale of prices.	2		1	1
For discharge of an employé.	1	1		
For discharge of foremen.	2			2
For discharge of non-union employés.	1			1
For equalization of hours.	1			1
For increase and readjustment of wages.	1			1
For increase of wages.	61	43	5	13
For increase of wages and reduction of hours.	1			1
For increase of wages or reduction of hours.	1	1		
For readjustment of wages.	1	1		
For recognition of union.	1			1
For reduction of hours.	76	7	8	61
For reduction of hours and discharge of a foreman.	1			1
In sympathy with strike elsewhere.	8			3
<b>MINING.</b>				
Against change in method of digging coal.	2			2
Against change of rules.	1	1		
Against change of screen.	2			1

Table VI—Continued.

Industries and Cause or Object.	Estab- lish- ments.	Suc- ceeded.	Suc- ceeded partly.	Failed.
<b>MINING—Continued.</b>				
Against discharge of employes.....	6			6
Against discharge of union employes.....	1			1
Against employment of colored labor.....	1			1
Against extra work without extra pay.....	2	2		
Against obnoxious rules.....	1			1
Against overcharge in supplies—powder, tools, etc.....	2		1	1
Against reduction of wages.....	72	17	9	46
Against reduction of wages and discharge of employes.....	1	1		
For change of screen.....	8	2		1
For employment of checkweighmen.....	5	4		1
For equal rate of wages winter and summer.....	1	1		
For increase of wages.....	151	26	1	122
For increase of wages and against new employes.....	1			1
For pay for slack.....	1	1		
For payment of wages overdue.....	27	14		13
For piece instead of day work.....	1			1
For reinstatement of discharged employes.....	2			2
In sympathy with strike elsewhere.....	9	1		8
<b>POTTERY, EARTHENWARE, ETC.</b>				
Against discharge of an employé.....	1			1
Against reduction of wages.....	1	1		
For reduction of hours.....	1			1
<b>PRINTING AND PUBLISHING.</b>				
Against patent matter.....	2			2
For fixed rate of wages.....	1			1
For increase of wages.....	5	3		2
For reduction of hours.....	1		1	
<b>PUBLIC WORKS CONSTRUCTION.</b>				
Against reduction of wages.....	1	1		
For increase of wages.....	6	1		5
For increase of wages and reduction of hours.....	2	1		1
For reduction of hours.....	1			1
<b>PUBLIC WORKS CONSTRUCTION.</b>				
Against reduction of wages.....	1			1
For increase of wages.....	2			2
For piece instead of day work.....	1		1	
For reduction of hours.....	2	1	1	
For regular payments.....	1	1		
<b>RAILROAD CAR BUILDING.</b>				
Against reduction of wages.....	2	1		1
For increase of wages.....	2			2
For increase of wages and reduction of hours.....	1		1	
For reduction of hours and recognition of union.....	1			1
<b>ROPE AND BAGGING.</b>				
Against poor quality of material.....	1			1
<b>RUBBER GOODS.</b>				
For reduction of hours.....	1			1
For regular payments.....	1	1		
<b>SHIPBUILDING, ETC.</b>				
For increase of wages.....	6		6	
For increase of wages and reduction of hours.....	1			1
For reduction of hours and wages.....	1			1

Table VI.—Continued.

Industries and Cause or Object.	Estab-lish-ments.	Suc-ceeded.	Suc-ceeded partly.	Failed.
<b>STONE QUARRYING AND CUTTING.</b>				
Against reduction of wages.....	2			2
For increase of wages.....	45	1	7	37
For increase of wages and reduction of hours.....	1		1	
For reduction of hours.....	51		51	
For reduction of hours and wages.....	1		1	
<b>TELEGRAPHY.</b>				
Against obnoxious rules.....	1			1
In sympathy with strike elsewhere.....	1			1
<b>TORACCO.</b>				
Against discharge of a foreman.....	1			1
Against employment of additional apprentices.....	2	2		
Against employment of non-union men.....	2	2		
Against reduction of wages.....	2	1		1
For adoption of union, etc., rules.....	1	1		
For adoption of union, etc., scale of prices.....	4	4		
For increase of wages.....	119	107	9	3
<b>TRANSPORTATION.</b>				
Against appointment of yardmaster.....	12			12
Against discharge of employes.....	1	1		
Against double-header freight trains.....	1			1
Against employment of non-union men.....	1			1
Against increase of hours.....	1	1		
Against reduction of wages.....	2	2		
For discharge of a foreman.....	1			1
For discharge of non-union employes.....	2	1		1
For increase of force.....	1	1		
For increase of wages.....	202	93	10	99
For increase of wages and reduction of hours.....	1			1
For increase of wages or reduction of hours.....	1			1
For payment of wages overdue.....	2	2		
For recognition of union.....	13			13
For reduction of hours.....	11			11
<b>WATCHES.</b>				
Against reduction of hours and wages.....	1			1
Against reduction of wages.....	2			2
For discharge of a foreman.....	1	1		
<b>WOODEN GOODS.</b>				
Against increase of hours.....	1			1
Against introduction of machinery.....	1			1
For discharge of non-union employes.....	1			1
For increase of wages.....	18	12		6
For increase of wages and reduction of hours.....	6		1	5
For increase of wages and weekly payments.....	1			1
For reduction of hours.....	73	4	18	51
For reduction of hours and for weekly payments.....	1			1
For reduction of hours and wages.....	3	1		2
For reinstatement of a discharged employé.....	1			1
<b>WOOLEN GOODS.</b>				
Against reduction of wages.....	1			1
<b>MISCELLANEOUS.</b>				
Against reduction of wages.....	1			1
For increase of wages.....	4	1		3
For increase of wages and reduction of hours.....	12	6		6
For reduction of hours.....	28	18	8	7



It will be seen from the foregoing summary that the building trades, which sustained 25.5 per cent. of the whole number of strikes, or 710, had 614 strikes for increase in pay, i. e., 84.48 per cent. of the strikes in these trades were for that cause, with some complications in a number of cases. With 25.5 per cent. of the total strikes, these trades had 34 per cent. of the strikes for increased pay, and 14.3 per cent. of those for reduction of hours. Of the total of strikes for reduction of hours, 70 per cent. occurred in the eight industries, brick, building trades, clothing, food preparations, furniture, stone, transportation and wooden goods, and of the 1,805 strikes for increased pay, 1,493 or 82.71 per cent. occurred in six industries, namely, the building trades, cooperage, lumber, mining, tobacco and transportation.

#### LOCKOUTS IN ILLINOIS.

The effects of a strike and a lockout are the same; but they differ as to the side inaugurating them. When employ es refuse to work under conditions imposed by employers, or unless some condition advanced by themselves is accepted by the employer, then it is a strike; when the employer refuses to allow the workmen to work unless upon conditions imposed by him, or in anticipation of demands to be made by his workmen, he closes his factory, it is a lockout. One is a strike of workmen against an employer; the other a strike of employer against workmen. In the general table herewith presented, the same arrangement is continued as that used for strikes, and the same set of facts is brought out. The following table, is a summary of the lockouts presented in the general table, by years.

TABLE VII.—*Summary of Lockouts in Illinois by Years.*

YEARS.	ORDERED BY LABOR ORGANIZATION.		ESTABLISHMENTS.				DURATION (DAYS).	
	Yes.	No.	Number.	Number closed.	Aggregate days closed.	Average days closed.	Aggregate.	Average.
1 1881.....	.....	1	1	1	27	27.0	27	27.0
2 1883.....	.....	33	33	.....	825	.....	825	25.0
3 1884.....	39	1	40	13	434	33.4	1,757	43.9
4 1885.....	9	1	10	5	134	26.8	364	36.4
5 1886.....	5	38	43	43	542	12.6	543	12.4
Total..	53	74	127	62	1,137	18.3	3,521	27.7

Table VII—Continued.

YEARS.	RESULTS.			EMPLOYEES'—		EMPLOYERS' LOSS.
	Succeeded.	Succeeded partly.	Failed.	Lost.	Assistance.	
1 1881.....	1	.....	.....	\$3,135	.....	\$2,000
2 1883.....	33	.....	.....	18,438	\$749	12,300
3 1884.....	27	.....	18	140,368	3,425	8,040
4 1885.....	1	.....	9	118,710	1,300	78,250
5 1886.....	7	30	6	254,856	.....	246,475
Total.....	69	30	23	\$538,497	\$5,874	\$347,065

YEARS.	NUMBER OF EMPLOYEES.					
	Before Lockout.			After Lockout.		
	Male.	Female.	Total.	Male.	Female.	Male.
1 1881.....	125	.....	125	125	.....	125
2 1883.....	467	.....	467	467	.....	467
3 1884.....	1,847	.....	1,847	1,847	.....	1,847
4 1885.....	1,080	.....	1,080	1,130	.....	1,130
5 1886.....	18,228	.....	18,228	18,228	.....	18,228
Total.....	21,747	.....	21,747	21,797	.....	21,797

YEARS.	EMPLOYEES LOCKED OUT.			NEW EMPLOYEES AFTER LOCKOUT.			BROUGHT FROM OTHER PLACES.
	Male.	Female.	Total.	Male.	Female.	Total.	
1 1881.....	125	.....	125	100	.....	100	.....
2 1883.....	467	.....	467	133	.....	133	.....
3 1884.....	1,847	.....	1,847	.....	.....	.....	.....
4 1885.....	780	.....	780	100	.....	100	75
5 1886.....	18,228	.....	18,228	500	.....	500	500
Total.....	21,397	.....	21,397	833	.....	833	575

An examination of the summary table will show but one lockout in 1881, none at all in 1882, 33 in 1883, 40 in 1884, 10 in 1885, 43 in 1886, making a total of 127 for the period covered by the investigation. Of these 53, or 41.73 per cent., were ordered by organizations of managers, while 74 or 58.27 per cent. were not so

ordered. Of the whole number, 69, or 54.33 per cent., succeeded, 30, or 23.63 per cent., partly succeeded, while 28, or 22.04 per cent., failed.

Of the 53 lockouts ordered by combinations, or organizations of employers, 28, or 53.83 per cent., succeeded, while 25, or 47.17 per cent., failed. Of the 74 not ordered, 41, or 55.41, per cent., succeeded, 30, or 40.54 per cent., partly succeeded, while but 3, or 4.05 per cent., failed.

Of the 127 establishments 62 were closed by the lockout, the aggregate number of days closed being 1,137, an average of 18.3, while the average duration of the lockouts was 27.7 days. The number of employes at the 127 establishments was 21,747, the number locked out 21,397, and the loss in wages \$533,497, the loss to employers being \$347,065. The number of lockouts in 1884 was 40, in 1886 but 43, and yet the number of men locked out in 1886 was 18,228 as against 1,847 in 1884, showing that the lockout as a weapon of industrial warfare was used by very much larger and more important establishments in the last year of the investigation than in any of the former years.

There were 833 new men employed after the lockouts, and as there was an increase of but 50 from 21,747 to 21,797 in the number of men employed, it follows that 783 of the old employes were permanently locked out and discharged, or at least did not return to work. Of the 833 new employes 575 were brought from other places than that in which the lockout occurred. Of these importations 500 were in 1886. But 5.73 per cent. of the lockouts in the United States occurred in Illinois. In the following table the lockouts have been summarized on a basis of the industries in which they occurred, for the whole period, without reference to years.

TABLE VIII.—*Summary of Lockouts in Illinois by Industries.*

INDUSTRIES.	ORDERED BY OR- GANIZATION.		ESTABLISHMENTS.			
	Yes.	No.	Number.	Number closed.	Aggre- gate days closed.	Average days closed.
1 Brick .....	45	.....	45	17	386	22.7
2 Clothing .....	.....	30	30	30	420	14.0
3 Cooperage .....	.....	1	1	1	7	7.0
4 Food preparations .....	5	.....	5	5	24	4.8
5 Glass .....	.....	1	1	1	182	182.0
6 Machines and machinery .....	.....	1	1	1	9	9.0
7 Metals and metallic goods .....	3	7	10	6	88	14.7
8 Tobacco .....	.....	33	33	.....	.....	.....
9 Wooden goods .....	.....	1	1	1	21	21.0
Total .....	58	74	127	62	1,187	18.8

DURATION (DAYS.)		RESULTS.			EMPLOYEES'—		EMPLOYERS' LOSS.
Aggregate.	Average.	Suc- ceeded.	Succeeded partly.	Failed.	Loss.	Assistance.	
1 1,780	38.4	27	.....	18	\$125,790	\$2,155	\$3,190
2 420	14.0	.....	30	.....	23,400	.....	50,000
3 7	7.0	.....	.....	1	70	.....	25
4 24	4.8	1	.....	4	182,000	.....	186,000
5 182	181.0	.....	.....	1	36,000	1,800	5,000
6 9	9.0	1	.....	.....	3,600	.....	1,500
7 308	30.8	7	.....	3	130,384	670	81,050
8 825	25.0	33	.....	.....	16,438	749	12,300
9 21	21.0	.....	.....	1	5,265	.....	5,000
3,521	27.7	69	30	28	\$583,497	\$5,374	\$347,065

INDUSTRIES.	NUMBER OF EMPLOYEES.					
	BEFORE LOCKOUT			AFTER LOCKOUT.		
	Male.	Female.	Total.	Male.	Female.	Total.
1 Brick .....	2,060	.....	2,060	2,060	.....	2,060
2 Clothing .....	600	.....	600	600	.....	600
3 Cooperage .....	7	.....	7	7	.....	7
4 Food preparations .....	16,000	.....	16,000	16,000	.....	16,000
5 Glass .....	200	.....	200	200	.....	200
6 Machines and machinery .....	200	.....	200	200	.....	200
7 Metals and metallic goods .....	2,083	.....	2,083	2,138	.....	2,138
8 Tobacco .....	467	.....	467	467	.....	467
9 Wooden goods .....	130	.....	130	130	.....	130
Total .....	21,747	.....	21,747	21,797	.....	21,797

Table VIII—Continued.

	EMPLOYEES LOCKED OUT.			NEW EMPLOYEES AFTER LOCKOUT.			BROUGHT FROM OTHER PLACES.
	Male.	Female.	Total.	Male.	Female.	Total.	
1	2,080	.....	2,080	.....	.....	.....	.....
2	600	.....	600	.....	.....	.....	.....
3	.....	.....	.....	.....	.....	.....	.....
4	16,000	.....	16,000	500	.....	500	500
5	300	.....	300	.....	.....	.....	.....
6	200	.....	200	.....	.....	.....	.....
7	1,738	.....	1,738	300	.....	300	75
8	467	.....	467	188	.....	188	.....
9	180	.....	180	.....	.....	.....	.....
	21,397	.....	21,397	888	.....	888	575

It will be seen that in nine industries occurred all the lockouts that took place in the State. The brick industry had the greatest number, 45, or 33.43 per cent. of the whole number. Tobacco follows with 33, and clothing with 30, these three industries having 85 per cent. of the lockouts of the State. All those in the tobacco industry proved successful, 27 out of the 45 in the brick industry succeeded, while the 30 inaugurated by clothing manufactures succeeded in part. The most important lockouts so far as number of employes affected is concerned were those in the food preparing industries, as 16,000 out of a total of 21,297 were locked out in this industry, and of the 575 men brought from other points 500 were in this industry. By reference to the general table of lockouts it will be seen that in the matter of causes 51 were inaugurated to enforce a reduction of wages, 33 against union men; 30 were against demand for increase of wages or reduction of hours, 7 to prevent reduction of hours, and 5 to enforce increase of hours, and one against demand for increase in wages. Of the 51 lockouts to enforce reduction of wages 28 succeeded; of the 33 against union men all were successful; and of the 7 to prevent reduction of hours 6 were successful.

There were in the United States for the period of six years covered by the investigation 2,214 lockouts, 1,528 of which occurred in New York, 147 in Massachusetts, 130 in Pennsylvania, 127 in Illinois, Ohio following with 49, and New Jersey with 43.

As in strikes some were for a reduction of hours, and some against a reduction of working time, so with lockouts,—some were

inaugurated to accomplish the very purposes others were calculated to resist. There were in the entire country 6 lockouts against members of the Knights of Labor, and 10 lockouts to compel employes to join the Knights of Labor. One against members of the Cigarmakers' International Union, and 15 against a demand to discharge members of that organization. There were 19 lockouts to enforce the appointment of a joint-board of arbitration, while in Illinois there were 3 strikes attempting to force the same consideration.

In these industrial disturbances between 1881 and 1886, there was a total loss to the employers and employes of \$2,768,600, or if we add the assistance funds distributed among strikers and those locked out, which is clearly an item of loss, we have a total of \$13,012,426, or an average of \$2,168,737 per year, and it may be fairly assumed that this is approximately the average annual loss to the State from these disturbances; to leave entirely out of the calculation the infinitely greater losses to business and the public in general, which are not computable.

In the following pages will be found the tables in full and in detail, from which the foregoing deductions have been drawn.



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**CHAPTER II.**

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**GENERAL TABLES OF STRIKES AND LOCKOUTS.**

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*Strikes by Years and Industries.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1881.</b>		
<b>AGRICULTURAL IMPLEMENTS.</b>		
469 Moulders, grain-drill works.....	Peoria.....	For discharge of an employé.....
<b>BOOTS AND SHOES.</b>		
470 Slippermakers.....	Chicago.....	For increase of wages.....
471 Employés.....	Chicago.....	Against reduction of wages.....
<b>BRICK.</b>		
472 Employés.....	Chicago.....	For increase of wages.....
473 Employés.....	Decatur.....	For increase of wages.....
474 Employés.....	Decatur.....	For increase of wages.....
<b>COOPERAGE.</b>		
475 Employés.....	Chicago.....	For increase of wages.....
476 Employés.....	Chicago.....	For increase of wages.....
477 Coopers, flour barrels.....	Cairo.....	For increase of wages.....
478 Employés.....	Chicago.....	For increase of wages.....
479 Employés.....	Chicago.....	For increase of wages.....
<b>FOOD PREPARATIONS.</b>		
480 Employés, corn starch factory.....	Peoria.....	For increase of wages.....
481 Bakers.....	Chicago.....	For reduction of hours.....
<b>FURNITURE.</b>		
482 Upholsterers.....	Chicago.....	Against employment of additional apprentices.....
483 Machine hands.....	Decatur.....	For increase of wages.....
<b>GAS AND COKE.</b>		
484 Employés, gas house.....	Chicago.....	For reinstatement of 4 discharged employés.....
<b>MACHINES AND MACHINERY.</b>		
485 Boilermakers and helpers.....	Chicago.....	For increase of wages.....
486 Boilermakers and helpers.....	Chicago.....	For increase of wages.....
487 Boilermakers and helpers.....	Chicago.....	For increase of wages.....
488 Boilermakers and helpers.....	Chicago.....	For increase of wages.....
489 Boilermakers and helpers.....	Chicago.....	For increase of wages.....
490 Boilermakers and helpers.....	Chicago.....	For increase of wages.....
491 Boilermakers and helpers.....	Chicago.....	For increase of wages.....
492 Laborers, R. R. machine shops.....	Bloomington.....	For increase of wages and reduction of hours.....
<b>METALS AND METALLIC GOODS.</b>		
493 Moulders, stove foundry.....	Chicago.....	For increase of wages.....
494 Employés, iron works.....	Springfield.....	For adoption of association scale of prices.....
495 Moulders, stove foundry.....	Chicago.....	For discharge of foreman.....
496 Horseshoers.....	Chicago.....	For discharge of employé.....
497 Employés, iron foundry.....	Chicago.....	For increase and readjustment of wages.....
498 Moulders, iron foundry.....	Chicago.....	For increase of wages.....
499 Moulders, iron foundry.....	Chicago.....	For increase of wages.....
500 Employés, stove foundry.....	Chicago.....	For increase of wages.....
501 Employés, iron foundry.....	Chicago.....	For increase of wages.....
502 Employés, iron foundry.....	Chicago.....	For increase of wages.....
503 Employés, iron foundry.....	Chicago.....	For increase of wages.....
504 Employés, blast furnace.....	South Chicago.....	For increase of wages or reduction of hours.....
505 Moulders, iron foundry.....	Chicago.....	For increase of wages.....
506 Employés, steel-rail works.....	Springfield.....	For increase of wages.....

*Strikes by Years and Industries.*

Ordered by labor organi- zation.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
Yes. ....	1	50	June 12	Aug. 1, 1881	50	No. ....	\$500	\$720	\$2,500 469
Yes. ....	1	7	Apr. 12	Apr. 19, 1881	7	Partly ...	180		50 470
Yes. ....	3	23	Dec. 22	Jan. 14, 1882	23	No. ....	9,090		8,000 471
Yes. ....	26	21	Apr. 18	May 9, 1881	21	Yes. ....	22,972		472
No. ....	1		May 3	May 10, 1881	7	No. ....	150		50 473
Yes. ....	1	1	May 3	May 4, 1881	1	Partly ...	45		50 474
No. ....	23	7	May 23	June 1, 1881	7	Yes. ....	4,200		4,000 475
No. ....	17	7	June 22	June 29, 1881	7	Yes. ....	2,000		2,000 476
No. ....	1		Aug. 30	Sept. 6, 1881	7	No. ....	132		200 477
No. ....	4	20	Sept. 30	Sept. 30, 1881	20	Yes. ....	4,942		4,942 478
Yes. ....	23	14	Oct. 5	Oct. 18, 1881	14	Yes. ....	9,768		9,768 479
No. ....	1	1	May 21	May 22, 1881	1	No. ....	20		480
Yes. ....	5		July 16	July 17, 1881	1	Yes. ....	30	15	75 481
Yes. ....	1	7	Apr. 22	Apr. 29, 1881	7	No. ....	225		200 482
Yes. ....	1		May 9	May 11, 1881	2	Partly ...	27		30 483
Yes. ....	1		June 23	June 26, 1881	3	No. ....	450		484
Yes. ....	1	42	Mar. 1	Apr. 12, 1881	42	Yes. ....	6,000	a 3,420	1,500 485
Yes. ....	1	38	Mar. 1	Apr. 8, 1881	38	Partly ...	6,500	a	5,000 486
Yes. ....	1		Mar. 1	Mar. 15, 1881	14	Partly ...	1,410	a	300 487
Yes. ....	1	40	Mar. 1	Apr. 10, 1881	40	Partly ...	3,400	a	1,000 488
Yes. ....	1	2	Mar. 1	Mar. 3, 1881	2	No. ....	169	a	489
Yes. ....	1	31	Mar. 1	Apr. 1, 1881	31	Yes. ....	1,040	a	490
Yes. ....	1		Mar. 1	Apr. 10, 1881	40	No. ....	1,700	a	500 491
Yes. ....	1		May 3	May 10, 1881	7	Partly ...	2,760		3,000 492
Yes. ....	1	8	Mar. 1	Mar. 9, 1881	8	Yes. ....	3,988		500 493
Yes. ....	1	16	Mar. 7	Mar. 23, 1881	16	No. ....	26,800		35,000 494
Yes. ....	1		Mar. 15	June 6, 1881	83	No. ....	7,500	1,800	495
Yes. ....	1		Apr. 1	Apr. 8, 1881	7	Yes. ....	137	70	496
Yes. ....	1		Apr. 20	May 25, 1881	35	No. ....	1,875		300 497
Yes. ....	1		Apr. 20	Apr. 27, 1881	7	No. ....	810		250 498
Yes. ....	1		Apr. 20	Apr. 26, 1881	5	No. ....	400		300 499
Yes. ....	1	7	Apr. 20	Apr. 27, 1881	7	Yes. ....	600		200 500
Yes. ....	1	3	Apr. 20	Apr. 23, 1881	3	Partly ...	606		500 501
Yes. ....	1		Apr. 20	Apr. 22, 1881	2	Yes. ....	90		502
Yes. ....	1	1	Apr. 20	Apr. 27, 1881	7	Partly ...	300		503
No. ....	1	1	Apr. 21	Apr. 22, 1881	1	Yes. ....	144		100 504
Yes. ....	1	b 61	Apr. 23	June 22, '81 b	b 61	Partly ...	9,300	800	10,000 505
Yes. ....	1	5	May 7	May 7, 1881	5	No. ....	1,760		506

a \$3,420 in money assistance was paid to all persons involved in this strike in Chicago, but this sum cannot be properly distributed among the several establishments.

b Some of the old employees returned at the end of two months, but it was twelve months before the strike was declared off.

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1881.</b>										
<b>AGRICULTURAL IMPLEMENTS.</b>										
469 Moulders, grain-drill works....	20		20	26		26	\$2 50		\$2 50	
<b>BOOTS AND SHOES.</b>										
470 Slippermakers .....	20		20	20		20	1 50		1 65	
471 Employés .....	350		350	350		350	1 50		1 40	
<b>BRICK.</b>										
472 Employés .....	709		709	709		709	1 80		2 05	
473 Employés .....	50		50	50		50	1 25		1 25	
474 Employés .....	40		40	40		40	1 13		1 25	
<b>COOPERAGE.</b>										
475 Employés .....	407		407	407		407	1 75		2 00	
476 Employés .....	123		123	123		123	2 75		3 35	
477 Coopers, flour barrels.....	25		25	13		13	2 00		2 00	
478 Employés .....	122		122	122		122	2 25		2 50	
479 Employés .....	407		407	407		407	2 00		2 25	
<b>FOOD PREPARATIONS.</b>										
480 Employés, corn starch factory.	20		20	20		20	1 00		1 00	
481 Bakers .....	33		33	40		40	1 75		1 75	
<b>FURNITURE.</b>										
483 Upholsterers .....	18		18	20		20	2 25		2 25	
483 Machine hands.....	200		200	200		200	1 37		1 38	
<b>GAS AND COKE.</b>										
484 Employés, gas house.....	60		60	60		60	2 50		2 50	
<b>MACHINES AND MACHINERY.</b>										
485 Boilermakers and helpers.....	75		75	75		75	2 40		2 60	
486 Boilermakers and helpers.....	88		88	88		88	2 35		2 50	
487 Boilermakers and helpers.....	50		50	20		20	2 35		2 50	
488 Boilermakers and helpers.....	45		45	45		45	2 35		2 40	
489 Boilermakers and helpers.....	50		50	48		48	2 35		2 25	
490 Boilermakers and helpers.....	20		20	20		20	2 00		2 25	
491 Boilermakers and helpers.....	48		48	55		55	2 00		2 10	
492 Laborers, R. R. machine shops.	1,000		1,000	1,000		1,000	1 66		1 70	
<b>METALS AND METALLIC GOODS.</b>										
493 Moulders, stove foundry .....	250		250	250		250	2 25		2 29	
494 Employés, iron works .....	1,100		1,100	1,100		1,100	2 00		2 00	
495 Moulders, stove foundry .....	250		250	275		275	2 25		2 29	
496 Horseshoers .....	8		8	6		6	3 25		3 25	
497 Employés, iron foundry .....	65		65	65		65	3 50		2 50	
498 Moulders, iron foundry .....	250		250	250		250	2 25		2 25	
499 Moulders, iron foundry .....	70		70	70		70	2 00		2 00	
500 Employés, stove foundry .....	40		40	40		40	2 50		2 75	
501 Employés, iron foundry .....	90		90	90		90	2 25		2 40	
502 Employés, iron foundry .....	20		20	20		20	2 25		2 50	
503 Employés, iron foundry .....	50		50	50		50	2 25		2 35	
504 Employés, blast furnace .....	80		80	80		80	1 80		2 00	
505 Moulders, iron foundry .....	90		90	75		75	2 00		2 16	
506 Employés, steel-rail works .....	175		175	a		a	2 00		a	

a After five days the steel-rail mill was permanently closed.

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro'ght from other places.	WEEKLY WORK-ING HOURS.		
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
20	\$2 50	\$2 50	20	.....	20	25	.....	25	20	60	60	469
20	1 50	1 65	20	.....	20	.....	.....	.....	.....	60	60	470
350	1 50	1 40	350	.....	350	.....	.....	.....	.....	60	60	471
709	1 80	2 05	709	.....	709	.....	.....	.....	.....	60	60	472
20	1 25	1 25	20	.....	20	16	.....	16	.....	60	60	473
40	1 13	1 25	40	.....	40	.....	.....	.....	.....	60	60	474
407	1 75	2 00	407	.....	407	.....	.....	.....	.....	60	60	475
123	2 75	3 25	123	.....	123	.....	.....	.....	.....	60	60	476
11	2 00	2 00	11	.....	11	.....	.....	.....	.....	60	60	477
122	2 25	2 50	122	.....	122	.....	.....	.....	.....	60	60	478
407	2 00	2 25	407	.....	407	.....	.....	.....	.....	60	60	479
20	1 00	1 00	20	.....	20	20	.....	20	.....	60	60	480
17	1 75	1 75	17	.....	17	7	.....	7	.....	100	74	481
18	2 25	2 25	18	.....	18	20	.....	20	.....	60	60	482
10	1 88	1 50	10	.....	10	.....	.....	.....	.....	60	60	483
45	2 50	2 50	60	.....	60	45	.....	45	.....	84	84	484
75	2 40	2 60	75	.....	75	.....	.....	.....	.....	60	60	485
88	2 34	2 50	88	.....	88	10	.....	10	.....	60	60	486
50	2 35	2 50	50	.....	50	.....	.....	.....	.....	60	60	487
45	2 25	2 40	45	.....	45	.....	.....	.....	.....	60	60	488
50	2 25	2 25	50	.....	50	.....	.....	.....	.....	60	60	489
20	2 00	2 25	20	.....	20	2	.....	2	.....	60	60	490
48	2 00	2 00	48	.....	48	7	.....	7	.....	60	60	491
400	1 15	1 25	400	.....	400	.....	.....	.....	.....	54	54	492
40	2 50	2 75	250	.....	250	.....	.....	.....	.....	60	60	493
1,100	2 00	2 00	1,100	.....	1,100	.....	.....	.....	.....	60	60	494
40	2 75	2 75	40	.....	40	70	.....	70	.....	60	60	495
7	3 25	3 25	7	.....	7	.....	.....	.....	.....	59	59	496
25	2 50	2 50	25	.....	25	25	.....	25	.....	60	60	497
60	2 25	2 25	60	.....	60	60	.....	60	.....	60	60	498
40	2 50	2 50	40	.....	40	5	.....	5	.....	60	60	499
40	2 50	2 75	40	.....	40	.....	.....	.....	.....	60	60	500
90	2 25	2 40	90	.....	90	.....	.....	.....	.....	60	60	501
20	2 25	2 50	20	.....	20	12	.....	12	.....	60	60	502
50	2 25	2 35	50	.....	50	5	.....	5	.....	60	60	503
80	1 80	2 00	80	.....	80	.....	.....	.....	.....	72	72	504
90	2 00	2 16	90	.....	90	40	.....	40	.....	60	60	505
175	2 00	a	175	.....	175	.....	.....	.....	.....	60	.....	506

a After five days the steel-rail mill was permanently closed.

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1881—Continued.</b>		
<b>METALS AND METALLIC GOODS</b>		
—Concluded.		
507 Horseshoers, street railway company	Chicago	For increase of wages
508 Horseshoers, street railway company	Chicago	For increase of wages
509 Employés, blast furnace	South Chicago	For increase of wages
510 Employés, iron works	East St. Louis	For increase of wages
511 Nailers, horse-nail works	Chicago	For increase of wages
512 Laborers, steel works	Joliet	Against reduction of wages
<b>MINING.</b>		
513 Miners, etc., coal	Braidwood	Against reduction of wages
514 Miners, etc., coal	Bloomington	Against discharge of an employé
515 Miners, etc., coal	DuQuoin	For payment of wages overdue
516 Miners, etc., coal	Barclay	Against reduction of wages
517 Miners, etc., coal	Peoria and vicinity	For increase of wages
518 Miners, etc., coal	Cartersville	For payment of wages overdue
519 Miners, etc., coal	LaSalle county	For increase of wages
520 Miners, etc., coal	Troy	Against extra work without extra pay
521 Miners, etc., coal	Pekin	For increase of wages
522 Miners, etc., coal	Petersburg	For increase of wages
523 Miners, etc., coal	Bryant and Canton	For increase of wages
524 Miners, etc., coal	DuQuoin	For payment of wages overdue
525 Miners, etc., coal	Grape Creek	For increase of wages
526 Miners, etc., coal	Cartersville	For payment of wages overdue
527 Miners, etc., coal	Danville	For increase of wages
528 Miners, etc., coal	Belleville	For increase of wages
<b>PRINTING AND PUBLISHING.</b>		
529 Press feeders	Chicago	For fixed rate of wages
530 Compositors	Chicago	For increase of wages
<b>PUBLIC WORKS CONSTRUCTION.</b>		
531 Laborers, street viaduct	Chicago	For increase of wages
532 Construction hands, railroad	Egira	For increase of wages
<b>RAILROAD CAR BUILDING</b>		
533 Employés, car works	Chicago	For increase of wages
<b>SHIPBUILDING, ETC.</b>		
534 Employés, shipbuilding yard	Chicago	For increase of wages
<b>STONE QUARRYING AND CUTTING</b>		
535 Quarrymen	Lewistown	For increase of wages
536 Quarrymen	Lebanon	For increase of wages
537 Quarrymen	Lebanon	For increase of wages
538 Quarrymen	Lebanon	For increase of wages
539 Quarrymen	Lebanon	For increase of wages
540 Quarrymen	Lebanon	For increase of wages
541 Quarrymen	Lebanon	For increase of wages
542 Quarrymen	Lebanon	For increase of wages
543 Quarrymen	Lebanon	For increase of wages
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697 Quarrymen	Lebanon	For increase of wages
698 Quarrymen	Lebanon	For increase of wages
699 Quarrymen	Lebanon	For increase of wages
700 Quarrymen	Lebanon	For increase of wages

*Strikes by Years and Industries—Continued.*

Ordered by labor organi- zation.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES—		Employ- ers' loss.	
	Num- ber.	Days closed.					Loss.	Assist- ance.		
Yes. ....	1	.....	May	16 May	17, 1881	1 Yes. ....	\$8	.....	507	
Yes. ....	1	.....	May	16 June	6, 1881	21 Yes. ....	448	\$270	\$200	508
No. ....	1	.....	28 June	4 June	27, 1881	23 No. ....	10,800	.....	30,000	509
Yes. ....	1	.....	4 July	1 July	5, 1881	4 Yes. ....	4,275	.....	1,000	510
No. ....	1	.....	7 July	30 Aug.	13, 1881	14 No. ....	3,000	.....	500	511
Yes. ....	1	.....	3 Dec.	1 Dec.	4, 1881	3 Yes. ....	12,000	.....	10,000	512
Yes. ....	1	.....	13 Jan.	11 Jan.	24, 1881	13 No. ....	3,850	.....	3,000	513
Yes. ....	1	.....	10 Feb.	28 Mar.	10, 1881	10 No. ....	4,000	.....	350	514
No. ....	1	.....	11 Apr.	1 Apr.	12, 1881	11 Yes. ....	1,350	.....	500	515
Yes. ....	1	.....	14 Apr.	1 Apr.	15, 1881	14 Partly	2,280	.....	450	516
Yes. ....	11	.....	45 May	1 June	15, 1881	45 Yes. ....	35,000	.....	30,000	517
No. ....	1	.....	5 June	30 June	25, 1881	5 Yes. ....	1,388	.....	500	518
Yes. ....	4	.....	11 July	1 July	12, 1881	11 No. ....	20,000	.....	1,250	519
Yes. ....	2	.....	15 July	28 Aug.	12, 1881	15 Yes. ....	2,376	.....	900	520
Yes. ....	1	.....	1 Aug.	6 Aug.	7, 1881	1 Yes. ....	80	.....	.....	521
Yes. ....	1	.....	10 Sept.	4 Sept.	14, 1881	10 No. ....	2,900	.....	300	522
Yes. ....	4	.....	14 Sept.	19 Oct.	3, 1881	14 Yes. ....	3,852	.....	575	523
No. ....	1	.....	11 Oct.	1 Oct.	12, 1881	11 No. ....	1,350	.....	500	524
Yes. ....	1	.....	50 Oct.	15 Dec.	4, 1881	50 No. ....	13,700	.....	10,000	525
No. ....	1	.....	5 Oct.	20 Oct.	25, 1881	5 No. ....	1,388	.....	500	526
Yes. ....	1	.....	43 Nov.	1 Dec.	14, 1881	43 No. ....	18,000	.....	10,000	527
Yes. ....	17	.....	20 Nov.	22 Dec.	12, 1881	20 No. ....	32,310	400	21,050	528
No. ....	1	.....	1 May	9 May	10, 1881	1 No. ....	156	.....	.....	529
Yes. ....	1	.....	1 July	20 July	21, 1881	1 Yes. ....	65	.....	.....	530
No. ....	1	.....	1 April	28 April	29, 1881	1 No. ....	27	.....	.....	531
No. ....	1	.....	1 July	11 July	12, 1881	1 No. ....	150	.....	100	532
Yes. ....	2	.....	7 April	25 May	2, 1881	7 No. ....	5,040	.....	3,500	533
Yes. ....	6	.....	29 March	1 March	30, 1881	29 Partly	17,350	.....	10,600	534
Yes. ....	1	.....	7 June	14 June	21, 1881	7 No. ....	1,090	.....	100	535
Yes. ....	1	.....	1 June	20 June	21, 1881	1 Partly	244	.....	50	536
Yes. ....	1	.....	7 July	7 July	14, 1881	7 No. ....	270	.....	60	537
Yes. ....	6	.....	15 July	7 July	22, 1881	15 No. ....	4,650	.....	1,075	538
Yes. ....	1	.....	1 July	18 July	19, 1881	1 Yes. ....	83	.....	200	539
Yes. ....	7	.....	21 Oct.	24 Nov.	14, 1881	21 Partly	1,008	420	1,000	540
Yes. ....	1	.....	3 April	7 April	10, 1881	3 Yes. ....	5,220	.....	6,000	541

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1881—Continued.</b>		
<b>METALS AND METALLIC GOODS</b> —Concluded.		
507 Horseshoers, street railway company	Chicago	For increase of wages
508 Horseshoers, street railway company	Chicago	For increase of wages
509 Employés, blast furnace	South Chicago	For increase of wages
510 Employés, iron works	East St. Louis	For increase of wages
511 Nailers, horse-nail works	Chicago	For increase of wages
512 Laborers, steel works	Joliet	Against reduction of wages
<b>MINING.</b>		
513 Miners, etc., coal	Braidwood	Against reduction of wages
514 Miners, etc., coal	Bloomington	Against discharge of an employé
515 Miners, etc., coal	DuQuoin	For payment of wages overdue
516 Miners, etc., coal	Barclay	Against reduction of wages
517 Miners, etc., coal	Peoria and vicinity	For increase of wages
518 Miners, etc., coal	Cartersville	For payment of wages overdue
519 Miners, etc., coal	LaSalle county	For increase of wages
520 Miners, etc., coal	Troy	Against extra work without extra pay
521 Miners, etc., coal	Pekin	For increase of wages
522 Miners, etc., coal	Petersburg	For increase of wages
523 Miners, etc., coal	Bryant and Canton	For increase of wages
524 Miners, etc., coal	DuQuoin	For payment of wages overdue
525 Miners, etc., coal	Grape Creek	For increase of wages
526 Miners, etc., coal	Cartersville	For payment of wages overdue
527 Miners, etc., coal	Danville	For increase of wages
528 Miners, etc., coal	Belleville	For increase of wages
<b>PRINTING AND PUBLISHING.</b>		
529 Press feeders	Chicago	For fixed rate of wages
530 Compositors	Chicago	For increase of wages
<b>PUBLIC WORKS CONSTRUCTION.</b>		
531 Laborers, street viaduct	Chicago	For increase of wages
532 Construction hands, railroad	Elgin	For increase of wages
<b>RAILROAD CAR BUILDING.</b>		
533 Employés, car works	Chicago	For increase of wages
<b>SHIPBUILDING, ETC.</b>		
534 Employés, shipbuilding yard	Chicago	For increase of wages
<b>STONE QUARRYING AND CUTTING.</b>		
535 Quarrymen	Lemont	For increase of wages
536 Stone-cutters	Joliet	For increase of wages
537 Quarrymen	Joliet	For increase of wages
538 Quarrymen	Joliet	For increase of wages
539 Quarrymen	South Elgin	For increase of wages
<b>TOBACCO.</b>		
540 Cigarmakers	Springfield	For increase of wages
<b>TRANSPORTATION.</b>		
541 Drivers and conductors, street railway	Chicago	For increase of wages

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.	
	Num- ber.	Days closed.					Loss.	Assist- ance.		
Yes.....	1	.....	May	16 May	17, 1881	1 Yes.....	\$8	.....	.....	507
Yes.....	1	.....	May	16 June	6, 1881	21 Yes.....	446	\$270	\$200	508
No.....	1	23	June	4 June	27, 1881	23 No.....	10,800	.....	30,000	509
Yes.....	1	4	July	1 July	5, 1881	4 Yes.....	4,275	.....	1,000	510
No.....	1	7	July	30 Aug.	13, 1881	14 No.....	3,000	.....	500	511
Yes.....	1	3	Dec.	1 Dec.	4, 1881	3 Yes.....	12,000	.....	10,000	512
Yes.....	1	13	Jan.	11 Jan.	24, 1881	13 No.....	3,850	.....	3,000	513
Yes.....	1	10	Feb.	28 Mar.	10, 1881	10 No.....	4,000	.....	350	514
No.....	1	11	Apr.	1 Apr.	12, 1881	11 Yes.....	1,350	.....	500	515
Yes.....	1	14	Apr.	1 Apr.	15, 1881	14 Partly...	2,280	.....	450	516
Yes.....	11	45	May	1 June	15, 1881	45 Yes.....	35,000	.....	30,000	517
No.....	1	5	June	30 June	25, 1881	5 Yes.....	1,388	.....	500	518
Yes.....	4	11	July	1 July	12, 1881	11 No.....	20,000	.....	1,250	519
Yes.....	2	15	July	28 Aug.	12, 1881	15 Yes.....	2,376	.....	900	520
Yes.....	1	1	Aug.	6 Aug.	7, 1881	1 Yes.....	80	.....	.....	521
Yes.....	1	10	Sept.	4 Sept.	14, 1881	10 No.....	2,900	.....	300	522
Yes.....	4	14	Sept.	19 Oct.	3, 1881	14 Yes.....	3,853	.....	575	523
No.....	1	11	Oct.	1 Oct.	12, 1881	11 No.....	1,350	.....	500	524
Yes.....	1	50	Oct.	15 Dec.	4, 1881	50 No.....	13,700	.....	10,000	525
No.....	1	5	Oct.	20 Oct.	25, 1881	5 No.....	1,388	.....	500	526
Yes.....	1	43	Nov.	1 Dec.	14, 1881	43 No.....	18,000	.....	10,000	527
Yes.....	17	20	Nov.	22 Dec.	12, 1881	20 No.....	32,310	400	21,050	528
No.....	1	1	May	9 May	10, 1881	1 No.....	156	.....	.....	529
Yes.....	1	1	July	20 July	21, 1881	1 Yes.....	65	.....	.....	530
No.....	1	1	April	28 April	29, 1881	1 No.....	27	.....	.....	531
No.....	1	1	July	11 July	12, 1881	1 No.....	150	.....	100	532
Yes.....	2	7	April	25 May	2, 1881	7 No.....	5,040	.....	3,500	533
Yes.....	6	20	March	1 March	30, 1881	20 Partly...	17,350	.....	10,600	534
Yes.....	1	7	June	14 June	21, 1881	7 No.....	1,090	.....	100	535
Yes.....	1	1	June	20 June	21, 1881	1 Partly...	244	.....	50	536
Yes.....	1	7	July	7 July	14, 1881	7 No.....	270	.....	60	537
Yes.....	6	15	July	7 July	22, 1881	15 No.....	4,650	.....	1,075	538
Yes.....	1	1	July	18 July	19, 1881	1 Yes.....	83	.....	200	539
Yes.....	7	21	Oct.	24 Nov.	14, 1881	21 Partly...	1,008	420	1,000	540
Yes.....	1	3	April	7 April	10, 1881	3 Yes.....	5,220	.....	6,000	541



*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1891—Continued.</b>										
<b>METALS AND METALLIC GOODS</b>										
—Concluded.										
507 Horseshoers, street railway company .....	25		25	25		25	\$3 75		\$3 00	
508 Horseshoers, street railway company .....	42		42	42		42	2 75		3 00	
509 Employés, blast furnace .....	300		300	300		300	2 00		2 00	
510 Employés, iron works .....	300		300	300		300	2 85		3 00	
511 Nailers, horse-nail works .....	120		120	120		120	2 25		2 25	
512 Laborers, steel works .....	2,000		2,000	2,000		2,000	2 00		2 00	
<b>MINING.</b>										
513 Miners, etc., coal .....	175		175	175		175	2 00		1 85	
514 Miners, etc., coal .....	200		200	200		200	2 00		2 00	
515 Miners, etc., coal .....	90		90	90		90	1 50		1 50	
516 Miners, etc., coal .....	95		95	95		95	2 00		1 90	
517 Miners, etc., coal .....	600		600	600		600	2 00		2 25	
518 Miners, etc., coal .....	150		150	150		150	1 85		1 85	
519 Miners, etc., coal .....	1,200		1,200	1,200		1,200	1 80		1 80	
520 Miners, etc., coal .....	110		110	110		110	1 80		2 00	
521 Miners, etc., coal .....	40		40	40		40	2 00		2 20	
522 Miners, etc., coal .....	180		180	180		180	1 85		1 85	
523 Miners, etc., coal .....	175		175	175		175	1 85		2 00	
524 Miners, etc., coal .....	90		90	90		90	1 50		1 50	
525 Miners, etc., coal .....	200		200	200		200	2 00		2 00	
526 Miners, etc., coal .....	150		150	150		150	1 85		1 85	
527 Miners, etc., coal .....	300		300	300		300	2 00		2 00	
528 Miners, etc., coal .....	718		718	700		700	2 50		2 50	
<b>PRINTING AND PUBLISHING.</b>										
529 Press feeders .....	125		125	125		125	1 25		1 25	
530 Compositors .....	26		26	26		26	2 50		2 75	
<b>PUBLIC WAYS CONSTRUCTION.</b>										
531 Laborers, street viaduct .....	18		18	18		18	1 50		1 50	
532 Construction hands, railroad ..	100		100	100		100	1 50		1 50	
<b>RAILROAD CAR BUILDING.</b>										
533 Employés, car works .....	420		420	420		420	2 00		2 00	
<b>SHIPBUILDING, ETC.</b>										
534 Employés, shipbuilding yard ..	685		685	685		685	2 50		2 75	
<b>STONE QUARRYING AND CUTTING.</b>										
535 Quarrymen .....	120		120	120		120	1 50		1 50	
536 Stonecutters .....	75		75	75		75	3 25		3 50	
537 Quarrymen .....	30		30	30		30	1 50		1 50	
538 Quarrymen .....	255		255	255		255	1 50		1 50	
539 Quarrymen .....	50		50	50		50	1 75		2 00	
<b>TOBACCO.</b>										
540 Cigarmakers .....	35		35	35		35	1 60		1 65	
<b>TRANSPORTATION.</b>										
541 Drivers and conductors, street railway .....	800		800	800		800	2 30		2 45	

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro'ght from other places.	WEEKLY WORKING HOURS.	
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.
	Before.	After.									
6	\$2 75	\$3 00	6	.....	6	.....	.....	.....	.....	59	59 507
9	2 75	3 00	9	.....	9	2	.....	2	.....	59	59 508
300	2 00	2 00	300	.....	300	.....	.....	.....	.....	72	72 509
300	2 85	3 00	300	.....	300	.....	.....	.....	.....	60	60 510
50	2 75	2 75	120	.....	120	.....	.....	.....	.....	60	60 511
100	1 50	1 50	2,000	.....	2,000	.....	.....	.....	.....	60	60 512
175	2 00	1 85	175	.....	175	.....	.....	.....	.....	60	60 513
200	2 00	2 00	200	.....	200	.....	.....	.....	.....	60	60 514
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60 515
95	2 00	1 90	95	.....	95	.....	.....	.....	.....	60	60 516
600	2 00	2 25	600	.....	600	.....	.....	.....	.....	60	60 517
150	1 85	1 85	150	.....	150	10	.....	10	.....	60	60 518
1,200	1 80	1 80	1,200	.....	1,200	.....	.....	.....	.....	60	60 519
110	1 80	2 00	110	.....	110	.....	.....	.....	.....	60	60 520
40	2 00	2 20	40	.....	40	.....	.....	.....	.....	60	60 521
180	1 85	1 85	180	.....	180	.....	.....	.....	.....	60	60 522
175	1 85	2 00	175	.....	175	.....	.....	.....	.....	60	60 523
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60 524
200	2 00	2 00	200	.....	200	.....	.....	.....	.....	60	60 525
150	1 85	1 85	150	.....	150	25	.....	25	.....	60	60 526
300	2 00	2 00	300	.....	300	.....	.....	.....	.....	60	60 527
718	2 50	2 50	718	.....	718	150	.....	150	100	60	60 528
125	1 25	1 25	125	.....	125	.....	.....	.....	.....	60	59 529
26	2 50	2 75	26	.....	26	.....	.....	.....	.....	60	60 530
15	1 50	1 50	18	.....	18	18	.....	18	18	60	60 531
100	1 50	1 50	100	.....	100	50	.....	50	50	60	60 532
420	2 00	2 00	420	.....	420	.....	.....	.....	.....	60	60 533
685	2 50	2 75	685	....	685	125	.....	125	100	60	60 534
120	1 50	1 50	120	.....	120	40	.....	40	40	60	60 535
75	3 25	3 50	75	.....	75	.....	.....	.....	.....	60	60 536
80	1 50	1 50	80	.....	80	20	.....	20	20	60	60 537
255	1 50	1 50	255	.....	255	155	.....	155	155	60	60 538
50	1 75	2 00	50	.....	50	.....	.....	.....	.....	60	60 539
35	1 60	1 65	35	.....	35	.....	.....	.....	.....	48	48 540
800	2 30	2 45	800	.....	800	.....	.....	.....	.....	70	70 541

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1881—Continued.</b>		
<b>TRANSPORTATION—Concluded.</b>		
543 Freight handlers, railroad	Chicago	For increase of wages
543 Freight handlers, railroad	Chicago	For increase of wages
544 Freight handlers, railroad	Chicago	For increase of wages
545 Freight handlers, railroad	Chicago	For reduction of hours
546 Switchmen	Chicago	For increase of wages
547 Switchmen	Chicago	For increase of wages
548 Switchmen	Chicago	For increase of wages
549 Switchmen	Chicago	For increase of wages
550 Switchmen	Chicago	For increase of wages
551 Switchmen	Chicago	For increase of wages
552 Switchmen	Joliet	For increase of wages
553 Laborers and wharf hands	Chicago	For increase of wages
554 Laborers and wharf hands	Cairo	For increase of wages
555 Laborers and wharf hands	Chicago	For increase of wages
556 Laborers and wharf hands	Chicago	For increase of wages
557 Laborers and wharf hands	Chicago	For increase of wages
558 Laborers and wharf hands	Chicago	For increase of wages
559 Yardmen	Peoria	For discharge of foreman
560 Conductors and brakemen	Decatur	For payment of wages overdue
561 Laborers and wharf hands	Chicago	For increase of wages
562 Laborers and wharf hands	Chicago	For increase of wages
563 Laborers and wharf hands	Cairo	For increase of wages
564 Laborers and wharf hands	Chicago	For increase of wages
565 Laborers and wharf hands	Chicago	For increase of wages
<b>WATCHES.</b>		
566 Finishers, watch factory	Springfield	For discharge of foreman
<b>WOODEN GOODS.</b>		
567 Boxmakers	Centralla	For increase of wages
<b>MISCELLANEOUS.</b>		
568 Employés, ice gathering company	Quincy	For increase of wages
569 Detectives, detective agency	Chicago	For increase of wages
570 Employés, lime kiln	Quincy	For increase of wages
571 Employés, paper-box factory	Chicago	Against reduction of wages
<b>1882.</b>		
<b>BOOTS AND SHOES.</b>		
572 Employés	Chicago	For increase of wages
<b>BRICK.</b>		
573 Employés	Chicago	Against reduction of wages
574 Employés	Chicago	Against reduction of wages
575 Employés	Chicago	Against reduction of wages
576 Employés	Pullman	For increase of wages
577 Employés	Pullman	For increase of wages
<b>BUILDING TRADES.</b>		
578 Painters	Chicago	For increase of wages
579 Employés, dock building comp	South Chicago	For increase of wages
580 Hodcarriers	Pullman	For increase of wages

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Duration (days.)	Suc- ceeded.	EMPLOYES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
No .....	1	4 April	21 April	25, 1881	4	Yes .....	\$850		\$500 542
No .....	1	2 April	21 April	23, 1881	2	Yes .....	625		500 543
No .....	3	4 April	21 April	25, 1881	4	Yes .....	1, 320		1, 100 544
No .....	2	9 May	1 May	10, 1881	9	No .....	2, 187		1, 100 545
Yes .....	5	18 May	1 May	19, 1881	18	Partly ..	6, 355		6, 250 546
Yes .....	2	16 May	1 May	17, 1881	16	Partly ..	3, 380		3, 300 547
Yes .....	1	17 May	1 May	18, 1881	17	Yes .....	7, 238		6, 000 548
Yes .....	1	..... May	2 May	17, 1881	15	No .....	2, 800		3, 000 549
Yes .....	1	15 May	2 May	17, 1881	15	No .....	1, 014		1, 000 550
Yes .....	2	15 May	2 May	17, 1881	15	Partly ..	3, 718		3, 600 551
Yes .....	1	5 May	5 May	10, 1881	5	Partly ..	333		300 552
No .....	1	2 June	1 June	3, 1881	2	Yes .....	1, 000		1, 000 553
No .....	8	3 June	1 June	4, 1881	3	Yes .....	240		250 554
No .....	1	1 June	1 June	2, 1881	1	Yes .....	120		200 555
No .....	1	2 June	15 June	17, 1881	2	Yes .....	100		500 556
No .....	1	3 June	15 June	18, 1881	3	Yes .....	100		200 557
No .....	1	3 July	15 July	18, 1881	3	Yes .....	900		1, 000 558
Yes .....	1	..... July	18 July	26, 1881	8	No .....	480		500 559
No .....	1	7 July	25 Aug.	8, 1881	14	Yes .....	6, 000		4, 000 560
No .....	2	3 Sept.	15 Sept.	18, 1881	3	No .....	1, 126		1, 200 561
No .....	1	2 Oct.	1 Oct.	3, 1881	2	No .....	120		500 562
No .....	8	3 Oct.	1 Oct.	4, 1881	3	No .....	270		250 563
No .....	1	1 Oct.	15 Oct.	16, 1881	1	No .....	150		200 564
No .....	1	2 Oct.	15 Oct.	17, 1881	2	No .....	1, 125		1, 000 565
No .....	1	..... April	1 April	2, 1881	1	Yes .....	80		100 566
No .....	1	..... May	9 May	10, 1881	1	No .....	22		567
No .....	1	14 Jan.	4 Jan.	18, 1881	14	No .....	900		150 568
No .....	1	..... April	18 April	19, 1881	1	No .....	70		569
No .....	1	1 June	17 June	18, 1881	1	Yes .....	38		30 570
No .....	1	..... Aug.	3 Aug.	7, 1881	4	No .....	60		25 571
Yes .....	1	14 Jan.	14 Jan.	28, 1882	14	No .....	2, 256		1, 500 572
Yes .....	12	35 May	1 June	5, 1882	35	No .....	72, 106		7, 246 573
Yes .....	1	42 May	1 June	12, 1882	42	No .....	8, 828		880 574
Yes .....	1	63 May	1 July	3, 1882	63	Yes .....	6, 622		700 575
Yes .....	1	6 June	1 June	7, 1882	6	Partly ..	3, 900		3, 000 576
Yes .....	1	1 July	26 July	27, 1782	1	No .....	683		100 577
Yes .....	6	..... April	1 April	4, 1882	3	Yes .....	741		2, 300 578
No .....	1	1 April	10 April	11, 1882	1	Yes .....	75		579
Yes .....	1	1 Aug.	17 Aug.	18, 1882	1	No .....	225		300 580



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**CHAPTER II.**

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**GENERAL TABLES OF STRIKES AND LOCKOUTS.**

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*Strikes by Years and Industries.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1881.</b>		
AGRICULTURAL IMPLEMENTS.		
469 Moulders, grain-drill works	Peoria	For discharge of an employé
BOOTS AND SHOES.		
470 Slippermakers	Chicago	For increase of wages.
471 Employés	Chicago	Against reduction of wages
BRICK.		
472 Employés	Chicago	For increase of wages.
478 Employés	Decatur	For increase of wages.
474 Employés	Decatur	For increase of wages.
COOPERAGE.		
475 Employés	Chicago	For increase of wages.
476 Employés	Chicago	For increase of wages.
477 Coopers, flour barrels	Cairo	For increase of wages.
478 Employés	Chicago	For increase of wages.
479 Employés	Chicago	For increase of wages.
FOOD PREPARATIONS.		
480 Employés, corn starch factory	Peoria	For increase of wages.
481 Bakers	Chicago	For reduction of hours.
FURNITURE.		
482 Upholsterers	Chicago	Against employment of additional apprentices
483 Machine hands	Decatur	For increase of wages.
GAS AND COKE.		
484 Employés, gas house	Chicago	For reinstatement of 4 discharged employés.
MACHINES AND MACHINERY.		
485 Boilermakers and helpers	Chicago	For increase of wages.
486 Boilermakers and helpers	Chicago	For increase of wages.
487 Boilermakers and helpers	Chicago	For increase of wages.
488 Boilermakers and helpers	Chicago	For increase of wages.
489 Boilermakers and helpers	Chicago	For increase of wages.
490 Boilermakers and helpers	Chicago	For increase of wages.
491 Boilermakers and helpers	Chicago	For increase of wages.
492 Laborers, R. R. machine shops.	Bloomington	For increase of wages and reduction of hours
METALS AND METALLIC GOODS.		
493 Moulders, stove foundry	Chicago	For increase of wages.
494 Employés, iron works	Springfield	For adoption of association scale of prices.
495 Moulders, stove foundry	Chicago	For discharge of foreman
496 Horseshoers	Chicago	For discharge of employé
497 Employés, iron foundry	Chicago	For increase and readjustment of wages
498 Moulders, iron foundry	Chicago	For increase of wages.
499 Moulders, iron foundry	Chicago	For increase of wages.
500 Employés, stove foundry	Chicago	For increase of wages.
501 Employés, iron foundry	Chicago	For increase of wages.
502 Employés, iron foundry	Chicago	For increase of wages.
503 Employés, iron foundry	Chicago	For increase of wages.
504 Employés, blast furnace	South Chicago	For increase of wages or reduction of hours.
505 Moulders, iron foundry	Chicago	For increase of wages.
506 Employés, steel-rail works	Springfield	For increase of wages.

*Strikes by Years and Industries.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
Yes. ....	1	50	June 12	Aug. 1, 1881	50	No. ....	\$500	\$720	\$2,500 469
Yes. ....	1	7	Apr. 12	Apr. 19, 1881	7	Partly ...	180		50 470
Yes. ....	8	23	Dec. 22	Jan. 14, 1882	23	No. ....	9,090		8,000 471
Yes. ....	26	21	Apr. 18	May 9, 1881	21	Yes. ....	22,972		472
No. ....	1	1	May 3	May 10, 1881	7	No. ....	150		50 473
Yes. ....	1	1	May 3	May 4, 1881	1	Partly ...	45		50 474
No. ....	28	7	May 23	June 1, 1881	7	Yes. ....	4,200		4,000 475
No. ....	17	7	June 22	June 29, 1881	7	Yes. ....	2,000		2,000 476
No. ....	1	4	Aug. 30	Sept. 6, 1881	7	No. ....	182		200 477
No. ....	4	20	Sept. 10	Sept. 30, 1881	20	Yes. ....	4,942		4,942 478
Yes. ....	23	14	Oct. 5	Oct. 18, 1881	14	Yes. ....	9,768		9,768 479
No. ....	1	1	May 21	May 22, 1881	1	No. ....	20		480
Yes. ....	5	.....	July 16	July 17, 1881	1	Yes. ....	30	15	75 481
Yes. ....	1	7	Apr. 22	Apr. 29, 1881	7	No. ....	225		200 482
Yes. ....	1	.....	May 9	May 11, 1881	2	Partly ...	27		30 483
Yes. ....	1	.....	June 23	June 26, 1881	3	No. ....	450		484
Yes. ....	1	42	Mar. 1	Apr. 12, 1881	42	Yes. ....	6,000	a 3,420	1,500 485
Yes. ....	1	38	Mar. 1	Apr. 8, 1881	38	Partly ...	6,500	a	5,000 486
Yes. ....	1	.....	Mar. 1	Mar. 15, 1881	14	Partly ...	1,410	a	300 487
Yes. ....	1	40	Mar. 1	Apr. 10, 1881	40	Partly ...	3,400	a	1,000 488
Yes. ....	1	2	Mar. 1	Mar. 3, 1881	2	No. ....	169	a	489
Yes. ....	1	31	Mar. 1	Apr. 1, 1881	31	Yes. ....	1,040	a	490
Yes. ....	1	.....	Mar. 1	Apr. 10, 1881	40	No. ....	1,700	a	500 491
Yes. ....	1	.....	May 3	May 10, 1881	7	Partly ...	2,760		3,000 492
Yes. ....	1	8	Mar. 1	Mar. 9, 1881	8	Yes. ....	3,938		500 493
Yes. ....	1	16	Mar. 7	Mar. 23, 1881	16	No. ....	26,800		25,000 494
Yes. ....	1	.....	Mar. 15	June 6, 1881	83	No. ....	7,500	1,800	495
Yes. ....	1	.....	Apr. 1	Apr. 8, 1881	7	Yes. ....	137	70	496
Yes. ....	1	.....	Apr. 20	May 25, 1881	35	No. ....	1,875		300 497
Yes. ....	1	.....	Apr. 20	Apr. 27, 1881	7	No. ....	810		250 498
Yes. ....	1	.....	Apr. 20	Apr. 25, 1881	5	No. ....	400		300 499
Yes. ....	1	7	Apr. 20	Apr. 27, 1881	7	Yes. ....	600		200 500
Yes. ....	1	3	Apr. 20	Apr. 23, 1881	3	Partly ...	606		500 501
Yes. ....	1	.....	Apr. 20	Apr. 25, 1881	2	Yes. ....	90		502
Yes. ....	1	1	Apr. 20	Apr. 27, 1881	7	Partly ...	300		503
No. ....	1	1	Apr. 21	Apr. 22, 1881	1	Yes. ....	144		100 504
Yes. ....	1	61	Apr. 22	June 22, '81	61	Partly ...	9,300	800	10,000 505
Yes. ....	1	5	May 2	May 7, 1881	5	No. ....	1,760		506

a \$3,420 in money assistance was paid to all persons involved in this strike in Chicago, but this sum cannot be properly distributed among the several establishments.

b Some of the old employees returned at the end of two months, but it was twelve months before the strike was declared off.



# Strikes by Years and Industries—Continued.

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1881.</b>										
<b>AGRICULTURAL IMPLEMENTS.</b>										
466 Moulders, grain-drill works....	20		20	26		26	\$2 50		\$2 50	
<b>BOOTS AND SHOES.</b>										
470 Slippermakers .....	20		20	20		20	1 50		1 65	
471 Employés .....	350		350	350		350	1 50		1 40	
<b>BRICK.</b>										
472 Employés .....	709		709	709		709	1 80		2 06	
473 Employés .....	50		50	50		50	1 25		1 25	
474 Employés .....	40		40	40		40	1 13		1 25	
<b>COOPERAGE.</b>										
475 Employés .....	407		407	407		407	1 75		2 00	
476 Employés .....	123		123	123		123	2 75		3 25	
477 Coopers, flour barrels.....	25		25	13		13	2 00		2 00	
478 Employés .....	122		122	122		122	2 25		2 50	
479 Employés .....	407		407	407		407	2 00		2 25	
<b>FOOD PREPARATIONS.</b>										
480 Employés, corn starch factory.	20		20	20		20	1 00		1 00	
481 Bakers .....	33		33	40		40	1 75		1 75	
<b>FURNITURE.</b>										
482 Upholsterers .....	13		13	20		20	2 25		2 25	
483 Machine hands .....	200		200	200		200	1 87		1 88	
<b>GAS AND COKE.</b>										
484 Employés, gas house.....	60		60	60		60	2 50		2 50	
<b>MACHINES AND MACHINERY.</b>										
485 Boilermakers and helpers.....	75		75	75		75	2 40		2 60	
486 Boilermakers and helpers.....	88		88	85		85	2 35		2 50	
487 Boilermakers and helpers.....	50		50	20		20	2 35		2 50	
488 Boilermakers and helpers.....	45		45	45		45	2 25		2 40	
489 Boilermakers and helpers.....	50		50	48		48	2 25		2 25	
490 Boilermakers and helpers.....	20		20	20		20	2 00		2 25	
491 Boilermakers and helpers.....	48		48	55		55	2 00		2 00	
492 Laborers, R. R. machine shops.	1,000		1,000	1,000		1,000	1 66		1 70	
<b>METALS AND METALLIC GOODS.</b>										
493 Moulders, stove foundry .....	250		250	250		250	2 25		2 29	
494 Employés, iron works .....	1,100		1,100	1,100		1,100	2 00		2 00	
495 Moulders, stove foundry .....	250		250	275		275	2 25		2 29	
496 Horseshoers .....	8		8	6		6	2 25		2 25	
497 Employés, iron foundry .....	65		65	65		65	2 50		2 50	
498 Moulders, iron foundry .....	250		250	250		250	2 25		2 25	
499 Moulders, iron foundry .....	70		70	70		70	2 00		2 00	
500 Employés, stove foundry .....	40		40	40		40	2 50		2 75	
501 Employés, iron foundry .....	90		90	90		90	2 25		2 40	
502 Employés, iron foundry .....	20		20	20		20	2 25		2 50	
503 Employés, iron foundry .....	50		50	50		50	2 25		2 25	
504 Employés, blast furnace .....	80		80	80		80	1 80		2 00	
505 Moulders, iron foundry .....	90		90	75		75	2 00		2 16	
506 Employés, steel-rail works .....	175		175	a		a	2 00		a	

a After five days the steel-rail mill was permanently closed.

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro't from other places.	WEEKLY WORK- ING HOURS.		
Num- ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
20	\$2 50	\$2 50	20	.....	20	25	.....	25	20	60	60	469
20	1 50	1 65	20	.....	20	.....	.....	.....	.....	60	60	470
350	1 50	1 40	350	.....	350	.....	.....	.....	.....	60	60	471
709	1 80	2 05	709	.....	709	.....	.....	.....	.....	60	60	472
20	1 25	1 25	20	.....	20	16	.....	16	.....	60	60	473
40	1 13	1 25	40	.....	40	.....	.....	.....	.....	60	60	474
407	1 75	2 00	407	.....	407	.....	.....	.....	.....	60	60	475
123	2 75	3 25	123	.....	123	.....	.....	.....	.....	60	60	476
11	2 00	2 00	11	.....	11	.....	.....	.....	.....	60	60	477
122	2 25	2 50	122	.....	122	.....	.....	.....	.....	60	60	478
407	2 00	2 25	407	.....	407	.....	.....	.....	.....	60	60	479
20	1 00	1 00	20	.....	20	20	.....	20	.....	60	60	480
17	1 75	1 75	17	.....	17	7	.....	7	.....	100	74	481
18	2 25	2 25	18	.....	18	20	.....	20	.....	60	60	482
10	1 38	1 60	10	.....	10	.....	.....	.....	.....	60	60	483
45	2 50	2 50	60	.....	60	45	.....	45	.....	84	84	484
75	2 40	2 50	75	.....	75	.....	.....	.....	.....	60	60	485
88	2 35	2 50	88	.....	88	10	.....	10	.....	60	60	486
50	2 35	2 50	50	.....	50	.....	.....	.....	.....	60	60	487
45	2 25	2 40	45	.....	45	.....	.....	.....	.....	60	60	488
50	2 25	2 25	50	.....	50	.....	.....	.....	.....	60	60	489
20	2 00	2 25	20	.....	20	2	.....	2	.....	60	60	490
48	2 00	2 00	48	.....	48	7	.....	7	5	60	60	491
400	1 15	1 25	400	.....	400	.....	.....	.....	.....	54	54	492
40	2 50	2 75	250	.....	250	.....	.....	.....	.....	60	60	493
1,100	2 00	2 00	1,100	.....	1,100	.....	.....	.....	.....	60	60	494
40	2 75	2 75	40	.....	40	70	.....	70	.....	60	60	495
7	3 25	3 25	7	.....	7	.....	.....	.....	.....	59	59	496
25	2 50	2 50	25	.....	25	25	.....	25	.....	60	60	497
60	2 25	2 25	60	.....	60	60	.....	60	.....	60	60	498
40	2 50	2 50	40	.....	40	5	.....	5	.....	60	60	499
40	2 50	2 75	40	.....	40	.....	.....	.....	.....	60	60	500
90	2 25	2 40	90	.....	90	.....	.....	.....	.....	60	60	501
20	2 25	2 50	20	.....	20	12	.....	12	.....	60	60	502
50	2 25	2 35	50	.....	50	5	.....	5	.....	60	60	503
80	1 80	2 00	80	.....	80	.....	.....	.....	.....	72	72	504
90	2 00	2 16	90	.....	90	40	.....	40	.....	60	60	505
175	2 00	a	175	.....	175	.....	.....	.....	.....	60	.....	506

a After five days the steel-mill was permanently closed.

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1881—Continued.</b>		
<b>METALS AND METALLIC GOODS</b>		
—Concluded.		
507 Horseshoers, street railway company	Chicago	For increase of wages
508 Horseshoers, street railway company	Chicago	For increase of wages
509 Employés, blast furnace	South Chicago	For increase of wages
510 Employés, iron works	East St. Louis	For increase of wages
511 Nailers, horse-nail works	Chicago	For increase of wages
512 Laborers, steel works	Joliet	Against reduction of wages
<b>MINING.</b>		
513 Miners, etc., coal	Braidwood	Against reduction of wages
514 Miners, etc., coal	Bloomington	Against discharge of an employé
515 Miners, etc., coal	DuQuoin	For payment of wages overdue
516 Miners, etc., coal	Barclay	Against reduction of wages
517 Miners, etc., coal	Peoria and vicinity	For increase of wages
518 Miners, etc., coal	Cartersville	For payment of wages overdue
519 Miners, etc., coal	LaSalle county	For increase of wages
520 Miners, etc., coal	Troy	Against extra work without extra pay
521 Miners, etc., coal	Pekin	For increase of wages
522 Miners, etc., coal	Petersburg	For increase of wages
523 Miners, etc., coal	Bryant and Canton	For increase of wages
524 Miners, etc., coal	DuQuoin	For payment of wages overdue
525 Miners, etc., coal	Grape Creek	For increase of wages
526 Miners, etc., coal	Cartersville	For payment of wages overdue
527 Miners, etc., coal	Danville	For increase of wages
528 Miners, etc., coal	Belleville	For increase of wages
<b>PRINTING AND PUBLISHING.</b>		
529 Press feeders	Chicago	For fixed rate of wages
530 Compositors	Chicago	For increase of wages
<b>PUBLIC WORKS CONSTRUCTION.</b>		
531 Laborers, street viaduct	Chicago	For increase of wages
532 Construction hands, railroad	Elgin	For increase of wages
<b>RAILROAD CAR BUILDING.</b>		
533 Employés, car works	Chicago	For increase of wages
<b>SHIPBUILDING, ETC.</b>		
534 Employés, shipbuilding yard	Chicago	For increase of wages
<b>STONE QUARRYING AND CUTTING.</b>		
535 Quarrymen	Lemont	For increase of wages
536 Stonecutters	Joliet	For increase of wages
537 Quarrymen	Joliet	For increase of wages
538 Quarrymen	Joliet	For increase of wages
539 Quarrymen	South Elgin	For increase of wages
<b>TOBACCO.</b>		
540 Cigarmakers	Springfield	For increase of wages
<b>TRANSPORTATION.</b>		
541 Drivers and conductors, street railway	Chicago	For increase of wages

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.	
	Num- ber.	Days closed.					Loss.	Assist- ance.		
Yes. ....	1	May 16	May 17, 1881		1	Yes. ....	\$8			507
Yes. ....	1	May 16	June 6, 1881		21	Yes. ....	446	\$270	\$300	508
No. ....	1	23 June	4 July 27, 1881		23	No. ....	10,800		30,000	509
Yes. ....	1	4 July	1 July 5, 1881		4	Yes. ....	4,275		1,000	510
No. ....	1	7 July	30 Aug. 13, 1881		14	No. ....	3,000		500	511
Yes. ....	1	3 Dec.	1 Dec. 4, 1881		3	Yes. ....	12,000		10,000	512
Yes. ....	1	13 Jan.	11 Jan. 24, 1881		13	No. ....	3,850		3,000	518
Yes. ....	1	10 Feb.	28 Mar. 10, 1881		10	No. ....	4,000		350	514
No. ....	1	11 Apr.	1 Apr. 12, 1881		11	Yes. ....	1,350		500	515
Yes. ....	1	14 Apr.	1 Apr. 15, 1881		14	Partly	2,290		450	516
Yes. ....	11	45 May	1 June 15, 1881		45	Yes. ....	35,000		80,000	517
No. ....	1	5 June	30 June 25, 1881		5	Yes. ....	1,888		500	518
Yes. ....	4	11 July	1 July 12, 1881		11	No. ....	20,000		1,250	519
Yes. ....	2	15 July	28 Aug. 12, 1881		15	Yes. ....	2,376		900	520
Yes. ....	1	1 Aug.	6 Aug. 7, 1881		1	Yes. ....	80			521
Yes. ....	1	10 Sept.	4 Sept. 14, 1881		10	No. ....	2,900		300	522
Yes. ....	4	14 Sept.	19 Oct. 3, 1881		14	Yes. ....	3,852		572	523
No. ....	1	11 Oct.	1 Oct. 12, 1881		11	No. ....	1,350		500	524
Yes. ....	1	50 Oct.	15 Dec. 4, 1881		50	No. ....	13,700		10,000	525
No. ....	1	5 Oct.	20 Oct. 25, 1881		5	No. ....	1,388		500	526
Yes. ....	1	43 Nov.	1 Dec. 14, 1881		43	No. ....	18,000		10,000	527
Yes. ....	17	20 Nov.	22 Dec. 12, 1881		20	No. ....	32,310	400	21,050	528
No. ....	1	1 May	9 May 10, 1881		1	No. ....	156			529
Yes. ....	1	1 July	20 July 21, 1881		1	Yes. ....	65			530
No. ....	1	1 April	28 April 29, 1881		1	No. ....	27			531
No. ....	1	1 July	11 July 12, 1881		1	No. ....	150		100	532
Yes. ....	2	7 April	25 May 2, 1881		7	No. ....	5,040		3,500	533
Yes. ....	6	29 March	1 March 30, 1881		29	Partly	17,350		10,600	534
Yes. ....	1	7 June	14 June 21, 1881		7	No. ....	1,080		100	535
Yes. ....	1	1 June	20 June 21, 1881		1	Partly	244		50	536
Yes. ....	1	7 July	7 July 14, 1881		7	No. ....	270		60	537
Yes. ....	6	15 July	7 July 22, 1881		15	No. ....	4,650		1,075	538
Yes. ....	1	1 July	18 July 19, 1881		1	Yes. ....	83		200	539
Yes. ....	7	21 Oct.	24 Nov. 14, 1881		21	Partly	1,008	420	1,000	540
Yes. ....	1	3 April	7 April 10, 1881		3	Yes. ....	5,220		6,000	541

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1881—Continued.</b>										
<b>METALS AND METALLIC GOODS</b>										
—Concluded.										
507 Horseshoers, street railway company .....	25	.....	25	25	.....	25	\$2 75	.....	\$3 00	.....
508 Horseshoers, street railway company .....	42	.....	42	42	.....	42	2 75	.....	3 00	.....
509 Employés, blast furnace .....	300	.....	300	300	.....	300	2 00	.....	2 00	.....
510 Employés, iron works .....	300	.....	300	300	.....	300	2 85	.....	3 00	.....
511 Nailers, horse-nail works .....	120	.....	120	120	.....	120	2 25	.....	2 25	.....
512 Laborers, steel works .....	2,000	.....	2,000	2,000	.....	2,000	2 00	.....	2 00	.....
<b>MINING.</b>										
513 Miners, etc., coal .....	175	.....	175	175	.....	175	2 00	.....	1 85	.....
514 Miners, etc., coal .....	200	.....	200	200	.....	200	2 00	.....	2 00	.....
515 Miners, etc., coal .....	90	.....	90	90	.....	90	1 50	.....	1 50	.....
516 Miners, etc., coal .....	95	.....	95	95	.....	95	2 00	.....	1 90	.....
517 Miners, etc., coal .....	600	.....	600	600	.....	600	2 00	.....	2 25	.....
518 Miners, etc., coal .....	150	.....	150	150	.....	150	1 85	.....	1 85	.....
519 Miners, etc., coal .....	1,200	.....	1,200	1,200	.....	1,200	1 80	.....	1 80	.....
520 Miners, etc., coal .....	110	.....	110	110	.....	110	1 80	.....	2 00	.....
521 Miners, etc., coal .....	40	.....	40	40	.....	40	2 00	.....	2 20	.....
522 Miners, etc., coal .....	180	.....	180	180	.....	180	1 85	.....	1 85	.....
523 Miners, etc., coal .....	175	.....	175	175	.....	175	1 85	.....	2 00	.....
524 Miners, etc., coal .....	90	.....	90	90	.....	90	1 50	.....	1 50	.....
525 Miners, etc., coal .....	200	.....	200	200	.....	200	2 00	.....	2 00	.....
526 Miners, etc., coal .....	150	.....	150	150	.....	150	1 85	.....	1 85	.....
527 Miners, etc., coal .....	300	.....	300	300	.....	300	2 00	.....	2 00	.....
528 Miners, etc., coal .....	718	.....	718	700	.....	700	2 50	.....	2 50	.....
<b>PRINTING AND PUBLISHING.</b>										
529 Press feeders .....	125	.....	125	125	.....	125	1 25	.....	1 25	.....
530 Compositors .....	26	.....	26	26	.....	26	2 50	.....	2 75	.....
<b>PUBLIC WAYS CONSTRUCTION.</b>										
531 Laborers, street viaduct .....	18	.....	18	18	.....	18	1 50	.....	1 50	.....
532 Construction hands, railroad ..	100	.....	100	100	.....	100	1 50	.....	1 50	.....
<b>RAILROAD CAR BUILDING.</b>										
533 Employés, car works .....	420	.....	420	420	.....	420	2 00	.....	2 00	.....
<b>SHIPBUILDING, ETC.</b>										
534 Employés, shipbuilding yard ..	685	.....	685	685	.....	685	2 50	.....	2 75	.....
<b>STONE QUARRYING AND CUTTING.</b>										
535 Quarrymen .....	120	.....	120	120	.....	120	1 50	.....	1 50	.....
536 Stonecutters .....	75	.....	75	75	.....	75	3 25	.....	3 50	.....
537 Quarrymen .....	30	.....	30	30	.....	30	1 50	.....	1 50	.....
538 Quarrymen .....	255	.....	255	255	.....	255	1 50	.....	1 50	.....
539 Quarrymen .....	50	.....	50	50	.....	50	1 75	.....	2 00	.....
<b>TOBACCO.</b>										
540 Cigarmakers .....	35	.....	35	35	.....	35	1 60	.....	1 65	.....
<b>TRANSPORTATION.</b>										
541 Drivers and conductors, street railway .....	800	.....	800	800	.....	800	2 30	.....	2 45	.....

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro'ght from other places.	WEEKLY WORKING HOURS.	
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.
	Before.	After.									
6	\$2 75	\$3 00	6	.....	6	.....	.....	.....	.....	59	59 507
9	2 75	3 00	9	.....	9	2	.....	2	.....	59	59 508
300	2 00	2 00	300	.....	300	.....	.....	.....	.....	72	72 509
300	2 85	3 00	300	.....	300	.....	.....	.....	.....	60	60 510
50	2 75	2 75	120	.....	120	.....	.....	.....	.....	60	60 511
100	1 50	1 50	2,000	.....	2,000	.....	.....	.....	.....	60	60 512
175	2 00	1 85	175	.....	175	.....	.....	.....	.....	60	60 513
200	2 00	2 00	200	.....	200	.....	.....	.....	.....	60	60 514
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60 515
95	2 00	1 90	95	.....	95	.....	.....	.....	.....	60	60 516
600	2 00	2 25	600	.....	600	.....	.....	.....	.....	60	60 517
150	1 85	1 85	150	.....	150	10	.....	10	.....	60	60 518
1,200	1 80	1 80	1,200	.....	1,200	.....	.....	.....	.....	60	60 519
110	1 80	2 00	110	.....	110	.....	.....	.....	.....	60	60 520
40	2 00	2 20	40	.....	40	.....	.....	.....	.....	60	60 521
180	1 85	1 85	180	.....	180	.....	.....	.....	.....	60	60 522
175	1 88	2 00	175	.....	175	.....	.....	.....	.....	60	60 523
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60 524
200	2 00	2 00	200	.....	200	.....	.....	.....	.....	60	60 525
150	1 85	1 85	150	.....	150	25	.....	25	.....	60	60 526
300	2 00	2 00	300	.....	300	.....	.....	.....	.....	60	60 527
718	2 50	2 50	718	.....	718	150	.....	150	100	60	60 528
125	1 25	1 25	125	.....	125	.....	.....	.....	.....	60	59 529
26	2 50	2 75	26	.....	26	.....	.....	.....	.....	60	60 530
18	1 50	1 50	18	.....	18	18	.....	18	18	60	60 531
100	1 50	1 50	100	.....	100	50	.....	50	50	60	60 532
420	2 00	2 00	420	.....	420	.....	.....	.....	.....	60	60 533
685	2 50	2 75	685	....	685	125	.....	125	100	60	60 534
120	1 50	1 50	120	.....	120	40	.....	40	40	60	60 535
75	3 25	3 50	75	.....	75	.....	.....	.....	.....	60	60 536
80	1 50	1 50	80	.....	80	20	.....	20	20	60	60 537
255	1 50	1 50	255	.....	255	155	.....	155	155	60	60 538
50	1 75	2 00	50	.....	50	.....	.....	.....	.....	60	60 539
35	1 60	1 65	35	.....	35	.....	.....	.....	.....	48	48 540
800	2 30	2 45	800	.....	800	.....	.....	.....	.....	70	70 541

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1881—Continued.</b>		
<b>TRANSPORTATION—Concluded.</b>		
543 Freight handlers, railroad .....	Chicago .....	For increase of wages .....
543 Freight handlers, railroad .....	Chicago .....	For increase of wages .....
544 Freight handlers, railroad .....	Chicago .....	For increase of wages .....
545 Freight handlers, railroad .....	Chicago .....	For reduction of hours .....
546 Switchmen .....	Chicago .....	For increase of wages .....
547 Switchmen .....	Chicago .....	For increase of wages .....
548 Switchmen .....	Chicago .....	For increase of wages .....
549 Switchmen .....	Chicago .....	For increase of wages .....
550 Switchmen .....	Chicago .....	For increase of wages .....
551 Switchmen .....	Chicago .....	For increase of wages .....
552 Switchmen .....	Joliet .....	For increase of wages .....
553 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
554 Laborers and wharf hands .....	Cairo .....	For increase of wages .....
555 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
556 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
557 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
558 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
559 Yardmen .....	Peoria .....	For discharge of foreman .....
560 Conductors and brakemen .....	Decatur .....	For payment of wages overdue .....
561 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
562 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
563 Laborers and wharf hands .....	Cairo .....	For increase of wages .....
564 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
565 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
<b>WATCHES.</b>		
566 Finishers, watch factory .....	Springfield .....	For discharge of foreman .....
<b>WOODEN GOODS.</b>		
567 Boxmakers .....	Centralla .....	For increase of wages .....
<b>MISCELLANEOUS.</b>		
568 Employés, ice gathering com- pany .....	Quincy .....	For increase of wages .....
569 Detectives, detective agency .....	Chicago .....	For increase of wages .....
570 Employés, lime kiln .....	Quincy .....	For increase of wages .....
571 Employés, paper-box factory .....	Chicago .....	Against reduction of wages .....
<b>1882.</b>		
<b>BOOTS AND SHOES.</b>		
572 Employés .....	Chicago .....	For increase of wages .....
<b>BRICK.</b>		
573 Employés .....	Chicago .....	Against reduction of wages .....
574 Employés .....	Chicago .....	Against reduction of wages .....
575 Employés .....	Chicago .....	Against reduction of wages .....
576 Employés .....	Pullman .....	For increase of wages .....
577 Employés .....	Pullman .....	For increase of wages .....
<b>BUILDING TRADES.</b>		
578 Painters .....	Chicago .....	For increase of wages .....
579 Employés, dock building comp .....	South Chicago .....	For increase of wages .....
580 Hodcarriers .....	Pullman .....	For increase of wages .....

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
No .....	1	4 April	21 April	25, 1881	4	Yes.....	\$850		\$500 542
No .....	1	2 April	21 April	28, 1881	2	Yes.....	625		500 543
No .....	3	4 April	21 April	25, 1881	4	Yes.....	1,320		1,100 544
No .....	2	9 May	1 May	10, 1881	9	No .....	2,187		1,100 545
Yes.....	5	18 May	1 May	19, 1881	18	Partly ..	6,355		6,250 546
Yes.....	2	16 May	1 May	17, 1881	16	Partly ..	3,380		3,300 547
Yes.....	1	17 May	1 May	18, 1881	17	Yes.....	7,238		6,000 548
Yes.....	1	..... May	2 May	17, 1881	15	No .....	2,800		3,000 549
Yes.....	1	15 May	2 May	17, 1881	15	No .....	1,014		1,000 550
Yes.....	2	15 May	2 May	17, 1881	15	Partly ..	3,718		3,600 551
Yes.....	1	5 May	5 May	10, 1881	5	Partly ..	393		800 552
No .....	1	2 June	1 June	3, 1881	2	Yes.....	1,000		1,000 553
No .....	8	3 June	1 June	4, 1881	3	Yes.....	240		250 554
No .....	1	1 June	1 June	2, 1881	1	Yes.....	130		200 555
No .....	1	2 June	15 June	17, 1881	2	Yes.....	100		500 556
No .....	1	3 June	15 June	18, 1881	3	Yes.....	100		200 557
No .....	1	3 July	15 July	18, 1881	3	Yes.....	900		1,000 558
Yes.....	1	..... July	18 July	26, 1881	8	No .....	480		500 559
No .....	1	7 July	25 Aug.	8, 1881	14	Yes.....	6,000		4,000 560
No .....	2	8 Sept.	15 Sept.	18, 1881	3	No .....	1,125		1,200 561
No .....	1	2 Oct.	1 Oct.	3, 1881	2	No .....	120		500 562
No .....	8	3 Oct.	1 Oct.	4, 1881	3	No .....	270		250 563
No .....	1	1 Oct.	15 Oct.	16, 1881	1	No .....	150		200 564
No .....	1	2 Oct.	15 Oct.	17, 1881	2	No .....	1,125		1,000 565
No .....	1	..... April	1 April	2, 1881	1	Yes.....	80		100 566
No .....	1	..... May	9 May	10, 1881	1	No .....	22		567
No .....	1	14 Jan.	4 Jan.	18, 1881	14	No .....	900		150 568
No .....	1	..... April	18 April	19, 1881	1	No .....	70		569
No .....	1	1 June	17 June	18, 1881	1	Yes.....	38		30 570
No .....	1	..... Aug.	3 Aug.	7, 1881	4	No .....	60		25 571
Yes .....	1	14 Jan.	14 Jan.	28, 1882	14	No .....	2,256		1,500 572
Yes .....	12	35 May	1 June	5, 1882	35	No .....	72,106		7,246 573
Yes .....	1	42 May	1 June	12, 1882	42	No .....	8,828		880 574
Yes .....	1	63 May	1 July	3, 1882	63	Yes.....	6,622		700 575
Yes .....	1	6 June	1 June	7, 1882	6	Partly ..	3,900		3,000 576
Yes .....	1	1 July	26 July	27, 1882	1	No .....	683		100 577
Yes .....	6	..... April	1 April	4, 1882	3	Yes.....	741		2,200 578
No .....	1	1 April	10 April	11, 1882	1	Yes.....	75		579
Yes .....	1	1 Aug.	17 Aug.	18, 1882	1	No .....	205		200 580



*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1881—Continued.</b>										
<b>TRANSPORTATION—Concluded.</b>										
542 Freight handlers, railroad.....	170		170	170		170	\$1 25		\$1 50	
543 Freight handlers, railroad.....	250		250	250		250	1 25		1 50	
544 Freight handlers, railroad.....	220		220	220		220	1 25		1 50	
545 Freight handlers, railroad.....	162		162	162		162	1 50		1 50	
546 Switchmen.....	165		165	165		165	2 60		2 65	
547 Switchmen.....	100		100	100		100	2 60		2 65	
548 Switchmen.....	193		193	193		193	2 50		2 60	
549 Switchmen.....	80		80	80		80	2 50		2 50	
550 Switchmen.....	30		30	30		30	2 40		2 60	
551 Switchmen.....	110		110	110		110	2 60		2 65	
552 Switchmen.....	30		30	30		30	2 50		2 75	
553 Laborers and wharf hands.....	250		250	250		250	2 00		2 25	
554 Laborers and wharf hands.....	40		40	40		40	2 00		2 25	
555 Laborers and wharf hands.....	60		60	60		60	2 00		2 25	
556 Laborers and wharf hands.....	20		20	20		20	2 50		3 00	
557 Laborers and wharf hands.....	50		50	50		50	2 00		2 25	
558 Laborers and wharf hands.....	150		150	150		150	2 00		2 25	
559 Yardmen.....	40		40	40		40	2 00		2 00	
560 Conductors and brakemen.....	200		200	200		200	2 50		2 50	
561 Laborers and wharf hands.....	200		200	200		200	2 25		2 25	
562 Laborers and wharf hands.....	20		20	20		20	3 00		3 00	
563 Laborers and wharf hands.....	40		40	40		40	2 25		2 25	
564 Laborers and wharf hands.....	60		60	60		60	2 25		2 25	
565 Laborers and wharf hands.....	250		250	250		250	2 25		2 25	
<b>WATCHES.</b>										
566 Finishers, watch factory.....	800	300	1,100	800	300	1,100	2 00	1 00	2 00	1 00
<b>WOODEN GOODS.</b>										
567 Boxmakers.....	10	40	50	10	40	50	1 50	55	1 50	55
<b>MISCELLANEOUS.</b>										
568 Employés, ice gathering com- pany.....	60		60	60		60	1 25		1 25	
569 Detectives, detective agency...	35		35	35		35	2 00		2 00	
570 Employés, lime kiln.....	30		30	30		30	1 25		1 50	
571 Employés, paper-box factory..		20	20		20	20	1 25	1 25		1 00
<b>1882.</b>										
<b>BOOTS AND SHOES.</b>										
572 Employés.....	75	100	175	75	100	175	1 50	1 25	1 50	1 25
<b>BRICK.</b>										
573 Employés.....	882		882	882		882	2 73		2 60	
574 Employés.....	90		90	90		90	2 73		2 60	
575 Employés.....	45		45	45		45	2 73		2 73	
576 Employés.....	260		260	260		260	2 50		2 63	
577 Employés.....	260		260	260		260	2 63		2 63	
<b>BUILDING TRADES.</b>										
578 Painters.....	130		130	130		130	2 25		3 00	
579 Employés, dock building comp.	60		60	60		60	1 25		1 50	
580 Hodcarriers.....	150		150	150		150	1 75		1 75	

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Brought from other places.	WEEKLY WORKING HOURS.		
Number.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
170	\$1 25	\$1 50	170	.....	170	.....	.....	.....	.....	60	60	542
250	1 25	1 50	250	.....	250	.....	.....	.....	.....	60	60	543
220	1 25	1 50	220	.....	220	.....	.....	.....	.....	60	60	544
162	1 50	1 50	162	.....	162	.....	.....	.....	.....	60	60	545
165	2 60	2 65	165	.....	165	.....	.....	.....	.....	60	60	546
100	2 60	2 65	100	.....	100	.....	.....	.....	.....	60	60	547
198	2 50	2 60	193	.....	198	92	.....	92	92	60	60	548
80	2 50	2 50	80	.....	80	.....	.....	.....	.....	60	60	549
30	2 60	2 60	30	.....	30	.....	.....	.....	.....	60	60	550
110	2 60	2 65	110	.....	110	.....	.....	.....	.....	60	60	551
30	2 50	2 75	30	.....	30	.....	.....	.....	.....	60	60	552
250	2 00	2 25	250	.....	250	20	.....	20	.....	60	60	553
40	2 00	2 25	40	.....	40	5	.....	5	.....	60	60	554
60	2 00	2 25	60	.....	60	5	.....	5	.....	60	60	555
20	2 50	3 00	20	.....	20	5	.....	5	.....	60	60	556
50	2 00	2 25	50	.....	50	5	.....	5	.....	60	60	557
150	2 00	2 25	150	.....	150	10	.....	10	.....	60	60	558
40	3 00	2 00	40	.....	40	39	.....	39	39	60	60	559
200	2 50	2 50	200	.....	200	.....	.....	.....	.....	60	60	560
200	2 25	2 25	200	.....	200	15	.....	15	.....	60	60	561
20	3 00	3 00	20	.....	20	5	.....	5	.....	60	60	562
40	2 25	2 25	40	.....	40	5	.....	5	.....	60	60	563
60	2 25	2 25	60	.....	60	5	.....	5	.....	60	60	564
250	2 25	2 25	250	.....	250	20	.....	20	.....	60	60	565
47	1 72	1 72	47	.....	47	.....	.....	.....	.....	60	60	566
50	74	74	10	40	50	5	15	20	.....	66	66	567
60	1 25	1 25	60	.....	60	60	.....	60	.....	60	60	568
35	2 00	2 00	35	.....	35	35	.....	35	.....	60	60	569
30	1 25	1 50	30	.....	30	.....	.....	.....	.....	60	60	570
20	1 25	1 00	.....	20	20	.....	20	20	.....	60	60	571
175	1 36	1 36	75	100	175	.....	.....	.....	.....	60	60	572
317	2 73	2 60	332	.....	332	.....	.....	.....	.....	42	42	573
90	3 73	2 60	90	.....	90	.....	.....	.....	.....	42	42	574
45	2 73	2 73	45	.....	45	.....	.....	.....	.....	42	42	575
260	2 50	2 63	260	.....	260	.....	.....	.....	.....	60	60	576
260	2 63	2 63	260	.....	260	30	.....	30	.....	60	60	577
105	2 35	3 00	105	.....	105	30	.....	30	.....	60	60	578
60	1 25	1 50	60	.....	60	.....	.....	.....	.....	60	60	579
150	1 75	1 75	150	.....	150	.....	.....	.....	.....	60	60	580

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1882—Continued.</b>		
<b>COOPERAGE.</b>		
581 Coopers .....	Chicago .....	For increase of wages .....
582 Coopers .....	Chicago .....	For increase of wages .....
583 Coopers .....	Chicago .....	For increase of wages .....
584 Trimmers .....	Chicago .....	For increase of wages .....
585 Coopers .....	Chicago .....	For increase of wages .....
<b>FOOD PREPARATIONS.</b>		
586 Bakers .....	Chicago .....	For increase of wages and reduction of hours .....
587 Bakers .....	Chicago .....	For increase of wages and reduction of hours .....
<b>GLASS.</b>		
588 Employés, flint-glass works ..	Ottawa .....	For discharge of an employé .....
589 Employés, flint-glass works ..	Ottawa .....	For reinstatement of a discharged employé .....
<b>LEATHER AND LEATHER GOODS.</b>		
590 Beam hands, leather factory ..	Chicago .....	For increase of wages .....
591 Beam hands, leather factory ..	Chicago .....	For increase of wages .....
<b>MACHINES AND MACHINERY.</b>		
592 Employés, railroad boiler shop ..	Springfield .....	For payment of wages overdue .....
<b>METALS AND METALLIC GOODS.</b>		
593 Employés, blast furnace .....	Chicago .....	For equalization of hours .....
594 Employés, blast furnace .....	Chicago .....	Against employment of a non-union man ..
595 Shovellers, iron, etc., works ..	Chicago .....	For increase of wages .....
596 Employés, iron furnace .....	Cummings .....	For adoption of association scale of prices ..
597 Employés, iron works .....	Springfield .....	For adoption of new scale of prices .....
598 Horseshoers .....	Chicago .....	For increase of wages .....
599 Horseshoers .....	Chicago .....	For increase of wages .....
600 Horseshoers .....	Chicago .....	For increase of wages .....
601 Horseshoers .....	Chicago .....	For increase of wages .....
602 Horseshoers .....	Chicago .....	For increase of wages .....
603 Horseshoers .....	Chicago .....	For increase of wages .....
<b>MINING.</b>		
604 Miners, etc., coal .....	Gillespie .....	Against reduction of wages .....
605 Miners, etc., coal .....	Troy .....	Against discharge of 2 employés .....
606 Miners, etc., coal .....	Trenton .....	Against discharge of 2 employés .....
607 Miners, etc., coal .....	DuQuoin .....	For payment of wages overdue .....
608 Miners, etc., coal .....	Illiana .....	Against reduction of wages .....
609 Miners, etc., coal .....	Peoria .....	Against employment of 12 colored miners ..
610 Miners, etc., coal .....	Centralia .....	For increase of wages .....
611 Miners, etc., coal .....	Murphysboro .....	Against reduction of wages .....
612 Miners, etc., coal .....	Girard .....	For increase of wages .....
613 Miners, etc., coal .....	Bryant .....	For increase of wages .....
614 Miners, etc., coal .....	Carterville .....	For payment of wages overdue .....
615 Miners, etc., coal .....	LaSalle .....	Against obnoxious rules .....
616 Miners, etc., coal .....	Carterville and Murphysboro .....	Against reduction of wages .....
617 Miners, etc., coal .....	Sunfield .....	For equal rate of wages winter and summer ..
618 Miners, etc., coal .....	Hles Junction .....	For increase of wages .....
619 Miners, coal .....	Bunker Hill .....	For increase of wages .....
620 Miners, coal .....	Staunton and Mt. Olive .....	For increase of wages .....
621 Miners, coal .....	Dawson .....	For change of screen .....
622 Miners, coal .....	DuQuoin .....	For payment of wages overdue .....
623 Miners, coal .....	Carterville .....	For payment of wages overdue .....

*Strikes by Years and Industries—Continued.*

Ordered by labor organi- zation.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
No .....	5	7 July	17 July	24, 1882	7	Yes .....	\$1,512		\$1,512 581
No .....	5	7 Aug.	28 Sept.	4, 1882	7	Yes .....	1,881		1,881 582
No .....	5	14 Oct.	2 Oct.	16, 1882	14	Yes .....	3,380		3,380 583
Yes .....	81	Oct.	10 Oct.	17, 1882	7	Yes .....	5,587		14,400 584
No .....	5	7 Oct.	16 Oct.	23, 1882	7	Yes .....	2,100		2,100 585
Yes .....	8	May	1 May	7, 1882	8	No .....	864		864 586
Yes .....	1	May	1 May	7, 1882	8	Yes .....	84		84 587
Yes .....	1	2 April	11 April	13, 1882	2	Yes .....	600		600 588
Yes .....	1	8 April	14 April	17, 1882	8	No .....	900		900 589
Yes .....	5	56 May	10 July	5, 1882	56	No .....	72,540	\$1,785	178,125 590
Yes .....	2	May	10 July	5, 1882	56	No .....	2,430	65	5,967 591
Yes .....	1	2 Aug.	11 Aug.	13, 1882	2	Yes .....	278		278 592
No .....	1	44 Feb.	1 Mar.	14, 1882	44	No .....	2,400	1,500	10,000 593
No .....	1	77 May	27 Aug.	12, 1882	77	No .....	29,000	600	15,000 594
Yes .....	1	May	30 June	30, 1882	31	No .....	2,880		500 595
Yes .....	1	May	31 July	12, 1882	41	Partly ..	54,000		10,000 596
Yes .....	1	122 June	14 Oct.	1, 1882	122	No .....	156,000	6,000	50,000 597
Yes .....	8	June	5 June	6, 1882	1	Yes .....	60		80 598
Yes .....	4	June	5 June	7, 1882	2	Yes .....	84		70 599
Yes .....	5	June	5 June	8, 1882	3	Yes .....	225		175 600
Yes .....	14	June	5 June	11, 1882	6	Yes .....	841	510	850 601
Yes .....	1	June	5 July	3, 1882	28	No .....	198		2,200 602
Yes .....	2	June	5 July	3, 1882	28	Yes .....	814	580	750 603
Yes .....	2	7 Feb.	7 Feb.	14, 1882	7	No .....	3,240		345 604
Yes .....	3	15 Mar.	5 Mar.	20, 1882	15	No .....	3,120		650 605
Yes .....	1	31 Mar.	5 April	5, 1882	31	No .....	4,560		500 606
No .....	1	11 April	1 April	12, 1882	11	Yes .....	1,350		500 607
Yes .....	1	2 April	1 April	3, 1882	2	Yes .....	160		50 608
No .....	1	91 April	5 July	5, 1882	91	No .....	6,240		4,000 609
No .....	1	14 April	10 April	24, 1882	14	No .....	2,640		1,500 610
No .....	2	166 May	15 Oct.	28, 1882	166	No .....	99,000		45,000 611
No .....	1	61 June	1 Aug.	1, 1882	61	No .....	5,460		1,000 612
No .....	1	7 June	11 June	18, 1882	7	No .....	480		613
Yes .....	1	5 June	20 June	25, 1882	5	Yes .....	1,348		500 614
Yes .....	1	10 July	1 July	11, 1882	10	No .....	6,300		2,000 615
No .....	2	105 July	15 Oct.	28, 1882	105	No .....	16,500		10,000 616
No .....	1	14 Aug.	15 Aug.	20, 1882	14	Yes .....	1,350		617
Yes .....	1	1 Aug.	22 Aug.	23, 1882	1	Yes .....	200		50 618
Yes .....	1	7 Sept.	3 Sept.	10, 1882	7	Partly ..	555		50 619
Yes .....	2	21 Sept.	15 Oct.	7, 1882	21	Yes .....	18,090		2,700 620
Yes .....	1	7 Sept.	16 Sept.	23, 1882	7	No .....	960		400 621
No .....	1	11 Oct.	1 Oct.	12, 1882	11	No .....	1,350		500 622
No .....	1	5 Oct.	20 Oct.	25, 1882	5	No .....	1,888		500 623

a This is a part of the general strike which involved the iron mills of seven states. The new scale of prices fixed by the Amalgamated Association of Iron and Steel Workers increased the pay of puddlers only, they being 10 per cent. of the employés. The increase was only 1 per cent. on former scale.

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.		NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
		Before strike.			After strike.			Before strike.		After strike.	
		Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1882—Continued.</b>											
<b>COOPERAGE.</b>											
581	Coopers .....	126		126	126		126	\$2 00		\$2 25	
582	Coopers .....	140		140	140		140	2 25		2 50	
583	Coopers .....	140		140	140		140	2 00		2 25	
584	Trimmers .....	399		399	399		399	2 75		3 00	
585	Coopers .....	140		140	140		140	2 50		2 75	
<b>FOOD PREPARATIONS.</b>											
586	Bakers .....	140		140	142		142	2 00		2 00	
587	Bakers .....	15		15	20		20	2 00		2 50	
<b>GLASS.</b>											
588	Employés, flint-glass works...	200		200	200		200	1 50		1 50	
589	Employés, flint-glass works...	200		200	200		200	1 50		1 50	
<b>LEATHER AND LEATHER GOODS.</b>											
590	Beam hands, leather factory...	806		806	806		806	2 00		2 00	
591	Beam hands, leather factory...	84		84	84		84	2 00		2 00	
<b>MACHINES AND MACHINERY.</b>											
592	Employés, railroad boiler shop.	100		100	100		100	1 85		1 85	
<b>METALS AND METALLIC GOODS.</b>											
593	Employés, blast furnace .....	300		300	300		300	2 00		2 00	
594	Employés, blast furnace .....	300		300	300		300	2 00		2 00	
595	Shovelers, iron, etc. works...	40		40	40		40	3 00		3 00	
596	Employés, iron furnace .....	900		900	900		900	2 25		2 30	
597	Employés, iron works .....	1,000		1,000	800		600	1 50		1 50	
598	Horseshoers .....	33		33	33		33	2 75		3 25	
599	Horseshoers .....	16		16	16		16	2 75		3 25	
600	Horseshoers .....	29		29	29		29	2 75		3 25	
601	Horseshoers .....	51		51	51		51	2 75		3 25	
602	Horseshoers .....	3		3	3		3	2 75		2 75	
603	Horseshoers .....	12		12	12		12	2 75		3 25	
<b>MINING.</b>											
604	Miners, etc., coal .....	270		270	270		270	2 00		1 80	
605	Miners, etc., coal .....	130		130	130		130	2 00		2 00	
606	Miners, etc., coal .....	100		100	100		100	1 90		1 90	
607	Miners, etc., coal .....	90		90	90		90	1 50		1 50	
608	Miners, etc., coal .....	40		40	40		40	2 00		2 00	
609	Miners, etc., coal .....	40		40	75		75	2 00		2 00	
610	Miners, etc., coal .....	110		110	110		110	2 00		2 00	
611	Miners, etc., coal .....	625		625	625		625	2 00		1 75	
612	Miners, etc., coal .....	60		60	60		60	1 75		1 75	
613	Miners, etc., coal .....	40		40	40		40	2 00		2 00	
614	Miners, etc., coal .....	150		150	150		150	1 85		1 85	
615	Miners, etc., coal .....	350		350	350		350	2 00		2 00	
616	Miners, etc., coal .....	150		150	150		150	2 00		1 75	
617	Miners, etc., coal .....	90		90	90		90	1 50		1 50	
618	Miners, etc., coal .....	100		100	100		100	2 00		2 25	
619	Miners, coal .....	50		50	50		50	1 85		2 00	
620	Miners, coal .....	580		580	580		580	1 75		2 00	
621	Miners, coal .....	80		80	80		80	2 00		2 00	
622	Miners, coal .....	90		90	90		90	1 50		1 50	
623	Miners, coal .....	150		150	150		150	1 85		1 85	

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Brought from other places.	WEEKLY WORK- ING HOURS.		
Num- ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike	After strike.	
	Before.	After										
136	\$2 00	\$2 25	136	.....	136	.....	.....	.....	.....	60	60	581
140	2 25	2 50	140	.....	140	.....	.....	.....	.....	60	60	582
140	2 00	2 25	140	.....	140	.....	.....	.....	.....	60	60	583
399	2 75	3 00	399	.....	399	.....	.....	.....	.....	60	60	584
140	2 50	2 75	140	.....	140	.....	.....	.....	.....	60	60	585
72	2 00	2 00	72	.....	72	14	.....	14	.....	102	102	586
7	2 00	2 50	7	.....	7	5	.....	5	.....	102	74	587
200	1 50	1 50	200	.....	200	1	.....	1	.....	48	48	588
200	1 50	1 50	200	.....	200	.....	.....	.....	.....	48	48	589
190	1 88	1 88	806	.....	806	.....	.....	.....	.....	60	60	590
27	1 88	1 88	27	.....	27	.....	.....	.....	.....	60	60	591
100	1 85	1 85	100	.....	100	.....	.....	.....	.....	54	54	592
300	2 00	2 00	300	.....	300	.....	.....	.....	.....	66	66	593
300	2 00	2 00	300	.....	300	.....	.....	.....	.....	66	66	594
40	3 00	3 00	40	.....	40	20	.....	20	20	66	66	595
600	2 50	2 65	600	.....	600	.....	.....	.....	.....	72	72	596
1,000	1 50	1 50	1,000	.....	1,000	800	.....	800	800	60	60	597
28	2 75	3 25	28	.....	28	.....	.....	.....	.....	59	59	598
15	2 75	3 25	15	.....	15	.....	.....	.....	.....	59	59	599
27	2 75	3 25	27	.....	27	.....	.....	.....	.....	59	59	600
51	2 75	3 25	51	.....	51	10	.....	10	.....	59	59	601
3	2 75	2 75	3	.....	3	3	.....	3	.....	59	59	602
12	2 75	3 25	12	.....	12	10	.....	10	.....	59	59	603
270	2 00	1 80	270	.....	270	.....	.....	.....	.....	60	60	604
180	2 00	2 00	180	.....	180	.....	.....	.....	.....	60	60	605
100	1 90	1 90	100	.....	100	2	.....	2	.....	60	60	606
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60	607
40	2 00	2 00	40	.....	40	.....	.....	.....	.....	60	60	608
40	2 00	2 00	40	.....	40	60	.....	60	20	60	60	609
110	2 00	2 00	110	.....	110	35	.....	35	25	60	60	610
625	2 00	1 75	625	.....	625	275	.....	275	.....	60	60	611
60	1 75	1 75	60	.....	60	.....	.....	.....	.....	60	60	612
40	2 00	2 00	40	.....	40	.....	.....	.....	.....	60	60	613
150	1 85	1 85	150	.....	150	10	.....	10	.....	60	60	614
350	2 00	2 00	350	.....	350	20	.....	20	.....	60	60	615
150	2 00	1 75	150	.....	150	65	.....	65	.....	60	60	616
90	1 50	1 50	90	.....	90	.....	.....	.....	.....	60	60	617
100	2 00	2 25	100	.....	100	.....	.....	.....	.....	60	60	618
50	1 85	2 00	50	.....	50	.....	.....	.....	.....	60	60	619
580	1 75	2 00	580	.....	580	.....	.....	.....	.....	60	60	620
80	2 00	2 00	80	.....	80	.....	.....	.....	.....	60	60	621
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60	622
150	1 85	1 85	150	.....	150	25	.....	25	.....	60	60	623

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1882—Continued.</b>		
PRINTING AND PUBLISHING.		
624 Compositors .....	Chicago .....	For increase of wages.....
PUBLIC WAYS CONSTRUCTION		
625 Construction hands, railroad..	Bloomington .....	For increase of wages.....
626 Construction hands, railroad..	Chicago .....	For increase of wages .....
PUBLIC WORKS CONSTRUCTION.		
627 Laborers, laying water mains..	Pullman .....	For increase of wages.....
STONE QUARRYING AND CUTTING		
628 Quarrymen .....	Alton .....	For increase of wages.....
629 Quarrymen .....	Alton .....	For increase of wages.....
630 Quarrymen .....	Lemont .....	For increase of wages.....
631 Quarrymen .....	South Elgin.....	For increase of wages.....
TELEGRAPHY.		
632 Messengers .....	Chicago .....	Against obnoxious rules .....
TRANSPORTATION.		
633 Employés railroad.....	Decatur .....	For payment of wages overdue.....
634 Laborers and wharf hands.....	Chicago .....	For increase of wages.....
635 Laborers and wharf hands .....	Chicago .....	For increase of wages.....
636 Laborers and wharf hands .....	Cairo .....	For increase of wages.....
637 Laborers and wharf hands.....	Chicago .....	For increase of wages.....
638 Laborers and wharf hands.....	Chicago .....	For increase of wages.....
639 Dock laborers .....	Chicago .....	For increase of wages.....
640 Laborers and wharf hands.....	Chicago .....	For increase of wages.....
641 Dock laborers .....	South Chicago..	For increase of wages.....
642 Conductors and brakemen .....	Gilman .....	For increase of force .....
643 Employés, railroad.....	Bloomington .....	Against reduction of wages.....
644 Laborers and wharf hands .....	Chicago .....	For increase of wages.....
645 Employés, street railways.....	Chicago .....	Against increase of hours.....
646 Laborers and wharf hands.....	Chicago .....	For increase of wages.....
647 Laborers and wharf hands.....	Cairo .....	For increase of wages.....
648 Laborers and wharf hands.....	Chicago .....	For increase of wages.....
649 Laborers and wharf hands.....	Chicago .....	For increase of wages.....
<b>1883.</b>		
BRICK.		
650 Employés .....	Chicago .....	For increase of wages.....
BUILDING TRADES.		
651 Bricklayers .....	Chicago .....	For increase of wages and adoption of union rules .....
652 Painters .....	Chicago .....	For increase of wages.....
CLOTHING.		
653 Tailors .....	Freeport.....	For increase of wages.....
COOPERAGE.		
654 Employés .....	Chicago .....	For increase of wages.....
FURNITURE.		
655 Employés, billiard table, etc., factory .....	Chicago .....	For increase of wages.....

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
No .....	1		7 Sept.	30 Oct.	7, 1882	7 Yes.....	\$675		\$100 624
No.....	1		1 Mar.	15 Mar.	16, 1882	1 No .....	50		625
Yes.....	1		5 May	5 May	10, 1882	5 Yes.....	1,568		400 626
Yes.....	1		1 April	12 April	12, 1882	1 No.....	225		50 627
No.....	1		30 April	1 May	1, 1882	30 No.....	1,645		1,000 628
No.....	6		30 April	1 May	1, 1882	30 Partly...	3,471		2,325 629
Yes.....	6		30 April	3 May	3, 1882	30 No.....	44,925		1,175 630
Yes.....	1		14 May	1 May	15, 1882	14 No.....	1,050		300 631
No.....	1		Sept.	30 Oct.	7, 1882	7 No.....	144		500 632
No.....	1		26 Mar.	12 April	7, 1882	26 Yes.....	12,000		4,000 633
No.....	1		1 June	1 June	2, 1882	1 Yes.....	130		200 634
No.....	1		2 June	1 June	3, 1882	2 Yes.....	1,000		1,000 635
No.....	8		3 June	1 June	4, 1882	3 Yes.....	240		250 636
No.....	1		2 June	15 June	17, 1882	2 Yes.....	100		500 637
No.....	1		3 June	15 June	18, 1882	3 Yes.....	800		200 638
Yes.....	1		3 June	18 June	21, 1882	3 No.....	169		150 639
No.....	1		3 July	15 July	18, 1882	8 Yes.....	900		1,300 640
No.....	1		2 July	25 July	27, 1882	2 No.....	1,200		841
No.....	1		1 Aug.	2 Aug.	3, 1882	1 Yes.....	16		25 642
Yes.....	1		1 Aug.	18 Aug.	19, 1882	1 Yes.....	1,500		1,000 643
No.....	2		8 Sept.	15 Sept.	18, 1882	3 No.....	1,125		1,200 644
Yes.....	1		8 Sept.	28 Oct.	1, 1882	3 Yes.....	2,100		2,000 645
No.....	1		2 Oct.	1 Oct.	3, 1882	2 No.....	130		500 646
No.....	8		3 Oct.	1 Oct.	4, 1882	3 No.....	270		250 647
No.....	1		2 Oct.	15 Oct.	17, 1882	2 No.....	1,125		1,000 648
No.....	1		1 Oct.	15 Oct.	16, 1882	1 No.....	150		200 649
Yes.....	26		43 April	16 May	23, 1883	42 Partly...	57,164		650
Yes.....	132		68 Apr.	2 June	9, 1883	98 Yes.....	560,000	\$4,000	1,102,500 651
Yes.....	175		Apr.	10 Apr.	12, 1883	2 Yes.....	5,431		6,306 652
Yes.....	3		Mar.	20 Mar.	27, 1883	7 Yes.....	492		180 653
Yes.....	4		14 Aug.	15 Aug.	29, 1883	14 Yes.....	1,500		1,500 654
Yes.....	1		April	13 April	14, 1883	1 Yes.....	760		1,000 655



# STATISTICS OF LABOR.

## Strikes by Years and Industries—Continued.

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1882—Continued.</b>										
<b>PRINTING AND PUBLISHING.</b>										
Compositors .....	45		45	45		45	\$2 50		\$2 90	
<b>PUBLIC WORKS CONSTRUCTION.</b>										
Construction hands, railroad..	40		40	40		40	1 25		1 25	
Construction hands, railroad..	250		250	250		250	1 25		1 50	
<b>PUBLIC WORKS CONSTRUCTION.</b>										
Laborers, laying water mains..	150		150	150		150	1 50		1 50	
<b>STONE QUARRYING AND CUTTING.</b>										
Quarrymen .....	46		46	46		46	1 38		1 38	
Quarrymen .....	89		89	89		89	1 50		1 75	
Quarrymen .....	1,075		1,065	1,075		1,075	1 50		1 50	
Quarrymen .....	50		50	50		50	1 75		1 75	
<b>TELEGRAPHY.</b>										
Messengers .....	90		90	90		90	60		60	
<b>TRANSPORTATION.</b>										
Employés, railroad .....	275		275	275		275	2 00		2 00	
Laborers and wharf hands .....	60		60	60		60	2 00		2 25	
Laborers and wharf hands .....	250		250	250		250	2 00		2 25	
Laborers and wharf hands .....	40		40	40		40	2 00		2 25	
Laborers and wharf hands .....	20		20	20		20	2 50		3 00	
Laborers and wharf hands .....	50		50	50		50	2 00		2 25	
Laborers and wharf hands .....	50		50	50		50	1 25		1 25	
Dock laborers .....	150		150	150		150	2 00		2 25	
Dock laborers .....	200		200	200		200	3 00		3 00	
Conductors and brakemen .....	8		8	8		8	2 00		2 00	
Employée, railroad .....	1,000		1,000	1,000		1,000	1 50		1 50	
Laborers and wharf hands .....	200		200	200		200	2 25		2 25	
Employés, street railway .....	300		300	300		300	2 40		2 40	
Laborers and wharf hands .....	20		20	20		20	3 00		3 00	
Laborers and wharf hands .....	40		40	40		40	2 25		2 25	
Laborers and wharf hands .....	250		250	250		250	2 25		2 25	
Laborers and wharf hands .....	60		60	60		60	2 25		2 25	
<b>1883.</b>										
<b>BRICK.</b>										
Employés .....	717		717	717		717	2 30		2 43	
<b>BUILDING TRADES.</b>										
Bricklayers .....	3,300		3,300	3,308		3,300	3 50		4 00	
Painters .....	1,205		1,205	1,205		1,205	2 25		3 00	
<b>CLOTHING.</b>										
Tailors .....	41		41	40		40	2 00		3 00	
<b>COOPERAGE.</b>										
Employés .....	125		125	125		125	2 00		2 25	
<b>FURNITURE.</b>										
Employés, billiard, table, etc., factory.	450		450	450		450	2 00		2 20	

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Brought from other places.	WEEKLY WORKING HOURS.		
Number.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
45	\$2 50	\$2 90	45	.....	45	.....	.....	.....	.....	60	60	634
40	1 25	1 25	40	.....	40	40	.....	40	40	60	60	635
250	1 25	1 50	250	.....	250	.....	.....	.....	.....	60	60	636
150	1 50	1 50	150	.....	150	150	.....	150	150	60	60	627
46	1 38	1 38	46	.....	46	.....	.....	.....	.....	60	60	628
89	1 50	1 75	89	.....	89	10	.....	10	.....	60	60	629
1,073	1 50	1 50	1,073	.....	1,073	.....	.....	.....	.....	60	60	630
50	1 75	1 75	50	.....	50	25	.....	25	.....	60	60	631
40	60	60	40	.....	40	40	.....	40	.....	70	70	632
275	2 00	2 00	275	.....	275	.....	.....	.....	.....	60	60	633
60	2 00	2 25	60	.....	60	5	.....	5	.....	60	60	634
250	2 00	2 25	250	.....	250	20	.....	20	.....	60	60	635
40	2 00	2 25	40	.....	40	5	.....	5	.....	60	60	636
20	2 50	3 00	20	.....	20	5	.....	5	.....	60	60	637
50	2 00	2 25	50	.....	50	5	.....	5	.....	60	60	638
45	1 25	1 25	45	.....	45	45	.....	45	.....	60	60	639
150	2 00	2 25	150	.....	150	10	.....	10	.....	60	60	640
200	3 00	3 00	200	.....	200	.....	.....	.....	.....	60	60	641
8	2 00	2 00	8	.....	8	.....	.....	.....	.....	60	60	642
1,000	1 50	1 50	1,000	.....	1,000	.....	.....	.....	.....	54	60	643
200	2 25	2 25	200	.....	200	15	.....	15	.....	60	60	644
300	2 40	2 40	300	.....	300	.....	.....	.....	.....	72	72	645
20	3 00	3 00	20	.....	20	5	.....	5	.....	60	60	646
40	2 25	2 25	40	.....	40	5	.....	5	.....	60	60	647
250	2 25	2 25	250	.....	250	20	.....	20	.....	60	60	648
60	2 25	2 25	60	.....	60	5	.....	5	.....	60	60	649
717	2 30	2 43	717	.....	717	.....	.....	.....	.....	60	60	650
3,200	3 50	4 00	3,200	.....	3,200	.....	.....	.....	.....	59	59	651
1,205	2 25	3 00	1,205	.....	1,205	50	.....	50	25	60	60	652
41	2 00	3 00	41	.....	41	.....	.....	.....	.....	60	60	653
125	2 00	2 25	125	.....	125	.....	.....	.....	.....	60	60	654
380	2 00	2 20	380	.....	380	.....	.....	.....	.....	60	60	655

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSES OR OBJECT.
<b>1888—Continued.</b>		
<b>GLASS.</b>		
656 Employés, window glass works	Ottawa .....	Against reduction of wages .....
657 Employés, window glass works	Rock Island .....	Against reduction of wages .....
<b>METALS AND METALLIC GOODS.</b>		
658 Employés, nail works .....	Centralla .....	Against reduction of wages .....
659 Employés, iron works .....	Springfield .....	Against employment of non-union men .....
660 Horseshoers .....	Chicago .....	Against employment of additional apprentices .....
661 Puddlers, nail works .....	Centralla .....	Against reduction of wages .....
662 Employés, blast furnace .....	South Chicago .....	For increase of wages .....
<b>MINING.</b>		
663 Miners, coal .....	Ledford .....	Against reduction of wages .....
664 Miners, coal .....	Clifton .....	Against reduction of wages .....
665 Miners, coal .....	DuQuoin .....	For payment of wages overdue .....
666 Miners, coal .....	Grape Creek .....	For increase of wages .....
667 Miners, coal .....	Clark City and Essex .....	Against reduction of wages .....
668 Miners, coal .....	Streator .....	Against reduction of wages .....
669 Miners, coal .....	Macoupin county .....	Against reduction of wages .....
670 Miners, etc., coal .....	Farmington .....	For increase of wages .....
671 Miners, etc., coal .....	Belleville .....	For increase of wages .....
672 Miners, etc., coal .....	Collinsville .....	For increase of wages .....
673 Miners, etc., coal .....	Illiana .....	For payment of wages overdue .....
674 Miners, etc., coal .....	Pinckneyville .....	For increase of wages and against new employés .....
675 Miners, etc., coal .....	Carterville .....	For payment of wages overdue .....
676 Miners, etc., coal .....	LaSalle county .....	Against reduction of wages .....
677 Miners, etc., coal .....	Peru .....	Against reduction of wages .....
678 Miners, etc., coal .....	Sangamon county .....	For employment of checkweighman .....
679 Miners, etc., coal .....	Fairbury .....	Against change of screen .....
680 Miners, etc., coal .....	Illiana .....	For payment of wages overdue .....
681 Miners, etc., coal .....	Carterville .....	For increase of wages .....
682 Miners, etc., coal .....	Murphysborough .....	For increase of wages .....
683 Miners, etc., coal .....	DuQuoin .....	For payment of wages overdue .....
684 Miners, etc., coal .....	Carterville .....	For payment of wages overdue .....
685 Miners, etc., coal .....	Riverton .....	For pay for slack .....
686 Miners, etc., coal .....	Wenona .....	For change of screen .....
<b>POTTERY, EARTHENWARE, ETC.</b>		
687 Employés, terra-cotta works .....	Chicago .....	Against discharge of an employé .....
<b>PRINTING AND PUBLISHING.</b>		
688 Compositors .....	Springfield .....	For increase of wages .....
689 Employés .....	Rock Island .....	For increase of wages .....
<b>PUBLIC WORKS CONSTRUCTION.</b>		
690 Laborers, laying water mains .....	Hyde Park .....	For increase of wages .....
<b>TELEGRAPHY.</b>		
691 Linemen and helpers .....	Chicago .....	In sympathy with strike elsewhere .....
692 (Strike of July 19, see New York) .....	.....	.....
<b>TOBACCO.</b>		
693 Employés, cigar factory .....	Quincy .....	For increase of wages .....
694 Cigarmakers .....	Aurora .....	For increase of wages .....
695 Cigarmakers .....	Joliet .....	For increase of wages .....

*Strikes by Years and Industries—Continued.*

Ordered by labor organiza- tion.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.		
	Num- ber.	Days closed.					Loss.	Assist- ance.			
Yes.....	1	172	Sept.	1 Feb.	20, 1884	172	Yes.....	\$77, 068	\$38, 000	\$25, 000	656
Yes.....	1	160	Sept.	1 Feb.	8, 1884	160	Yes.....	22, 750	18, 000	10, 000	657
Yes.....	1	61	Jan.	1 Mar.	3, 1883	61	No.....	13, 250	200	7, 000	658
Yes.....	1	10	Mar.	6 Mar.	16, 1883	10	No.....	8, 100		25, 000	659
Yes.....	1		June	1 July	1, 1883	30	No.....	507	240	1, 500	660
Yes.....	1	2	June	14 June	16, 1883	2	No.....	328		200	661
Yes.....	1		July	1 Sept.	24, 1883	85	No.....	162, 000	2, 100	250, 000	662
No.....	1	56	Feb.	1 Mar.	23, 1883	56	Yes.....	5, 250		5, 000	663
No.....	1	3	Mar.	25 Mar.	23, 1883	3	Yes.....	394		400	664
No.....	1	11	April	1 April	12, 1883	11	Yes.....	1, 350		500	665
No.....	1		April	1 April	5, 1883	4	No.....	150			666
Yes.....	2	30	April	2 May	2, 1883	30	No.....	15, 028		1, 250	667
Yes.....	12	10	April	2 April	12, 1883	10	No.....	30, 378		3, 410	668
Yes.....	5	63	April	11 June	18, 1883	68	Yes.....	71, 300		7, 300	669
Yes.....	1	14	April	25 May	9, 1883	14	No.....	1, 080		75	670
Yes.....	19	55	May	1 June	26, 1883	55	No.....	46, 077	1, 200	14, 100	671
Yes.....	8	61	May	1 July	1, 1883	61	No.....	62, 240	400	28, 340	672
No.....	1	10	June	1 June	11, 1883	10	No.....	784		500	673
No.....	1		June	1 June	9, 1883	8	No.....	560		2, 000	674
No.....	1	5	June	20 June	26, 1883	5	Yes.....	1, 388		500	675
Yes.....	5	123	July	1 Nov.	6, 1883	123	No.....	190, 000	1, 800	65, 000	676
Yes.....	1	1	July	1 July	2, 1883	1	Yes.....	437			677
Yes.....	4	7	July	5 July	12, 1883	7	Yes.....	5, 180		220	678
Yes.....	1	18	July	14 Aug.	1, 1883	18	No.....	1, 596		500	679
No.....	1	10	Sept.	1 Sept.	11, 1883	10	Yes.....	675		500	680
No.....	1	10	Sept.	15 Sept.	25, 1883	10	No.....	2, 160		1, 000	681
No.....	1	15	Sept.	15 Oct.	1, 1883	15	No.....	2, 880		1, 000	682
No.....	1	11	Oct.	1 Oct.	12, 1883	11	No.....	1, 350		500	683
No.....	1	5	Oct.	20 Oct.	25, 1883	5	No.....	1, 348		500	684
Yes.....	1	17	Nov.	8 Nov.	20, 1883	17	Yes.....	4, 560		1, 500	685
Yes.....	1		Nov.	8 Nov.	21, 1883	18	Yes.....	1, 240		1, 500	686
Yes.....	1		April	27 April	28, 1883	1	No.....	56	20		687
Yes.....	1		June	16 June	17, 1883	1	No.....	18			688
No.....	1		Aug.	11 Nov.	1, 1883	80	Yes.....	1, 000			689
No.....	1		April	30 May	4, 1883	4	No.....	480		50	690
Yes.....	1		July	19 Aug.	19, 1883	31	No.....	6, 000		6, 000	691
.....											692
Yes.....	1	29	Feb.	26 Mar.	27, 1883	29	Yes.....	1, 300	250	300	693
Yes.....	1		May	1 Mar.	22, 1883	21	Yes.....	81	26		694
Yes.....	1	1	May	1 May	2, 1883	1	Yes.....	108		20	695

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.		NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
		Before strike.			After strike.			Before strike.		After strike.	
		Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1883—Continued.</b>											
GLASS.											
656	Employés, window-glass works	250	.....	250	250	.....	250	\$2 25	.....	\$2 25	.....
657	Employés, window-glass works	70	.....	70	70	.....	70	2 50	.....	2 50	.....
METALS AND METALLIC GOODS.											
658	Employés, nail works	125	.....	125	125	.....	125	2 50	.....	2 00	.....
659	Employés, iron works	600	.....	600	600	.....	600	1 50	.....	1 50	.....
660	Horseshoers	8	.....	8	8	.....	8	3 25	.....	3 25	.....
661	Puddlers, nail works	125	.....	125	125	.....	125	1 75	.....	1 68	.....
662	Employés, blast furnace	2,000	.....	2,000	2,000	.....	2,000	2 50	.....	2 50	.....
MINING.											
663	Miners, coal	75	.....	75	75	.....	75	1 75	.....	1 75	.....
664	Miners, coal	75	.....	75	75	.....	75	1 75	.....	1 75	.....
665	Miners, coal	90	.....	90	90	.....	90	1 50	.....	1 50	.....
666	Miners, coal	25	.....	25	25	.....	25	1 50	.....	1 50	.....
667	Miners, coal	330	.....	330	330	.....	330	2 00	.....	1 90	.....
668	Miners, coal	2,068	.....	2,068	2,068	.....	2,068	1 85	.....	1 70	.....
669	Miners, coal	965	.....	965	965	.....	965	1 80	.....	1 80	.....
670	Miners, etc., coal	45	.....	45	45	.....	45	2 00	.....	2 00	.....
671	Miners, etc., coal	730	.....	730	700	.....	700	2 00	.....	2 00	.....
672	Miners, etc., coal	710	.....	710	700	.....	700	2 00	.....	2 00	.....
673	Miners, etc., coal	50	.....	50	50	.....	50	1 75	.....	1 50	.....
674	Miners, etc., coal	50	.....	50	40	.....	40	2 00	.....	1 50	.....
675	Miners, etc., coal	150	.....	150	150	.....	150	1 85	.....	1 85	.....
676	Miners, etc., coal	1,360	.....	1,360	1,360	.....	1,360	1 90	.....	1 70	.....
677	Miners, etc., coal	230	.....	230	230	.....	230	1 80	.....	1 80	.....
678	Miners, etc., coal	450	.....	450	450	.....	450	1 90	.....	1 90	.....
679	Miners, etc., coal	70	.....	70	70	.....	70	2 00	.....	1 80	.....
680	Miners, etc., coal	50	.....	50	50	.....	50	1 50	.....	1 75	.....
681	Miners, etc., coal	150	.....	150	150	.....	150	1 80	.....	1 60	.....
682	Miners, etc., coal	150	.....	150	150	.....	150	1 60	.....	1 60	.....
683	Miners, etc., coal	90	.....	90	90	.....	90	1 50	.....	1 50	.....
684	Miners, etc., coal	150	.....	150	150	.....	150	1 85	.....	1 85	.....
685	Miners, etc., coal	200	.....	200	200	.....	200	1 90	.....	2 00	.....
686	Miners, etc., coal	120	.....	120	120	.....	120	2 00	.....	2 00	.....
POTTERY, EARTHENWARE, ETC.											
687	Employés, terra-cotta works	175	.....	175	175	.....	175	2 25	.....	2 25	.....
PRINTING AND PUBLISHING.											
688	Compositors	9	.....	9	9	.....	9	2 00	.....	2 00	.....
689	Employés	20	5	25	20	5	25	2 50	\$1 00	3 00	\$1 20
PUBLIC WORKS CONSTRUCTION.											
690	Laborers, laying water mains	80	.....	80	80	.....	80	1 50	.....	1 50	.....
TELEGRAPHY.											
691	Linemen and helpers	110	.....	110	100	.....	100	2 10	.....	1 80	.....
692	(Strike of July 19, see New York)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOBACCO.											
693	Employés, cigar factory	20	.....	20	20	.....	20	2 50	.....	2 75	.....
694	Cigarmakers	11	.....	11	11	.....	11	2 50	.....	2 60	.....
695	Cigarmakers	65	.....	65	65	.....	65	1 80	.....	1 70	.....

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro'ght from other places.	WEEKLY WORKING HOURS.		
Number.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
250 70	\$2 25 2 50	\$2 25 2 50	250 70	..... .....	250 70	..... .....	..... .....	..... .....	..... .....	54 54	54 54	656 657
100 600	2 75 1 50	2 50 1 50	100 600	..... .....	100 600	40 400	..... .....	40 400	20 400	60 60	60 60	658 659
6 85 1,200	3 25 2 00 2 50	3 25 1 75 2 50	6 125 1,200	..... ..... .....	6 125 1,200	6 80 .....	..... ..... .....	6 80 .....	..... 15 .....	59 66 72	59 60 72	660 661 662
75 75 90 25	1 75 1 75 1 50 1 50	1 75 1 75 1 50 1 50	75 75 90 25	..... ..... ..... .....	75 75 98 25	..... ..... 10 .....	..... ..... ..... .....	..... ..... 10 .....	..... ..... ..... .....	60 60 60 60	60 60 60 60	663 664 665 666
330 2,068 965 45	2 00 1 85 1 80 2 00	1 90 1 70 1 80 2 00	330 2,068 965 45	..... ..... ..... .....	330 2,068 965 45	..... ..... ..... .....	..... ..... ..... .....	..... ..... ..... .....	..... ..... ..... .....	60 60 60 60	60 60 60 60	667 668 669 670
730 675 50	2 00 2 00 1 75	2 00 2 00 1 50	730 675 50	..... ..... .....	730 675 50	200 400 10	..... ..... .....	200 400 10	150 350 .....	60 60 60	60 60 60	671 672 673
40 150 1,360 280 450 70 50 135 135 90 150 200 40	2 00 1 85 1 90 1 90 1 90 2 00 1 50 1 60 1 60 1 50 1 85 1 90 2 00	1 50 1 85 1 70 1 90 1 90 2 00 1 75 1 60 1 60 1 50 1 85 2 00 2 00	40 150 1,360 280 450 70 50 135 135 90 150 200 40	..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... ..... .....	40 150 1,360 280 450 70 50 135 135 90 150 200 40	20 10 .....	..... ..... .....	20 10 .....	10 .....	60 60 60 60 60 60 60 60 60 60 60 60	60 60 60 60 60 60 60 60 60 60 60 60	674 675 676 677 678 679 680 681 682 683 684 685 686
25	2 25	2 25	25	.....	25	25	.....	25	.....	60	60	687
9 25	2 00 2 20	2 00 2 64	9 20	..... 5	9 25	9 .....	.....	9 .....	9 .....	60 60	60 60	688 689
80	1 50	1 50	80	.....	80	40	.....	40	.....	60	60	690
110	2 10	1 80	110	.....	110	90	.....	90	25	60	60	691
												692
20 2 65	2 50 2 25 1 60	2 75 2 25 1 70	20 2 65	..... ..... .....	20 2 65	..... 1 .....	.....	..... 1 .....	.....	54 60 48	54 60 48	693 694 695

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1883—Continued.</b>		
TOBACCO—Concluded.		
696 Cigarmakers .....	Mendota .....	For increase of wages .....
697 Employés, cigar factory .....	Urbana .....	For adoption of union rules .....
698 Cigarmakers .....	Chicago .....	For increase of wages .....
699 Cigarmakers .....	Chicago .....	For increase of wages .....
700 Cigarmakers .....	Chicago .....	For increase of wages .....
701 Cigarmakers .....	Chicago .....	For increase of wages .....
702 Cigarmakers .....	Chicago .....	For increase of wages .....
703 Cigarmakers .....	Chicago .....	For increase of wages .....
704 Employés, cigar factory .....	Springfield .....	For increase of wages .....
TRANSPORTATION.		
706 Dock laborers .....	South Chicago .....	For increase of wages .....
708 Laborers and wharf hands .....	Cairo .....	For increase of wages .....
707 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
708 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
709 Drivers and conductors, street railway .....	Chicago .....	Against reduction of wages .....
710 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
711 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
712 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
713 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
714 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
715 Laborers and wharf hands .....	Cairo .....	For increase of wages .....
716 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
717 Switchmen and yardmen .....	East St. Louis .....	Against appointment of yardmaster .....
718 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
719 Laborers and wharf hands .....	Chicago .....	For increase of wages .....
720 Switchmen and yardmen .....	East St. Louis .....	For increase of wages .....
WOODEN GOODS.		
721 Boxmakers .....	Centralia .....	For increase of wages .....
<b>1884.</b>		
BUILDING TRADES.		
722 Carpenters .....	Chicago .....	For increase of wages and reduction of hours .....
723 Carpenters .....	Chicago .....	For increase of wages and reduction of hours .....
724 Plasterers .....	Chicago .....	For adoption of association rules .....
CLOTHING.		
726 Tailors .....	Rock Island .....	For increase of wages and reduction of hours .....
COOPERAGE.		
726 Employés .....	Chicago .....	For increase of wages .....
727 Employés .....	Chicago .....	Against reduction of wages .....
728 Employés .....	Chicago .....	For increase of wages .....
729 Employés .....	Alton .....	Against reduction of wages .....
730 Employés .....	Alton .....	In sympathy with strike elsewhere .....
GLASS.		
731 Blowers, bottle-glass works .....	Alton .....	Against reduction of wages .....
METALS AND METALLIC GOODS		
732 Moulders, stove foundry .....	Quincy .....	Against reduction of wages .....
733 Moulders, stove foundry .....	Chicago .....	Against reduction of wages .....
734 Moulders, stove foundry .....	Chicago .....	Against reduction of wages .....
735 Moulders, iron foundry .....	Belleville .....	In sympathy with strike elsewhere .....
736 Employés, fire-proof construction material works .....	Ottawa .....	For increase of wages .....

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
Yes. ....	2	9 May	1 May	10, 1883	9	Partly ...	\$84	\$28	696
Yes. ....	1	May	1 Aug.	1, 1883	92	Yes. ....	500		\$1,000 697
Yes. ....	16	2 May	7 May	9, 1883	2	Yes. ....	621	60	162 698
Yes. ....	16	3 May	7 May	10, 1883	3	Yes. ....	882	55	231 699
Yes. ....	15	4 May	7 May	11, 1883	4	Yes. ....	1,082		202 700
Yes. ....	15	5 May	7 May	12, 1883	5	Yes. ....	1,300	85	314 701
Yes. ....	15	6 May	7 May	14, 1883	7	Yes. ....	1,332	35	849 702
Yes. ....	23	17 May	7 May	24, 1883	17	Yes. ....	7,583	135	1,982 703
Yes. ....	1	31 May	14 June	14, 1883	31	Yes. ....	1,544	576	1,500 704
No. ....	1	Apr.	10 April	11, 1883	1	No. ....	600		705
No. ....	8	3 June	1 June	4, 1883	2	Yes. ....	240		250 706
No. ....	1	2 June	1 June	3, 1883	2	Yes. ....	1,000		1,000 707
No. ....	1	1 June	1 June	2, 1883	1	Yes. ....	120		200 708
Yes. ....	1	1 June	4 June	5, 1883	1	Yes. ....	450		500 709
Yes. ....	1	3 June	13 June	18, 1883	3	Yes. ....	100		200 710
No. ....	1	2 June	13 June	17, 1883	2	Yes. ....	100		500 711
No. ....	1	8 July	15 July	18, 1883	3	Yes. ....	900		1,000 712
No. ....	1	8 Sept.	15 Sept.	18, 1883	3	No. ....	1,013		1,000 713
No. ....	1	3 Sept.	15 Sept.	18, 1883	3	No. ....	113		200 714
No. ....	8	8 Oct.	1 Oct.	4, 1883	3	No. ....	270		250 715
No. ....	1	2 Oct.	1 Oct.	3, 1883	2	No. ....	120		500 716
Yes. ....	12	Oct.	15 Oct.	28, 1883	13	No. ....	5,364	4,200	25,000 717
No. ....	1	1 Oct.	15 Oct.	16, 1883	1	No. ....	150		300 718
No. ....	1	2 Oct.	15 Oct.	17, 1883	2	No. ....	1,125		1,000 719
Yes. ....	3	7 Oct.	16 Oct.	23, 1883	7	No. ....	6,300		6,000 720
No. ....	1	May	7 May	9, 1883	2	No. ....	74		721
Yes. ....	300	May	26 June	9, 1884	14	Yes. ....	60,000	1,000	60,000 722
Yes. ....	1	2 May	26 May	23, 1884	2	No. ....	56		50 723
Yes. ....	1	July	10 July	27, 1884	17	No. ....	2,025	130	1,000 724
No. ....	3	15 Sept.	22 Oct.	7, 1884	15	Yes. ....	654		467 725
Yes. ....	24	7 May	1 May	8, 1884	7	Yes. ....	3,330		3,330 726
Yes. ....	4	4 May	5 May	9, 1884	4	Yes. ....	980		990 727
Yes. ....	4	7 Aug.	4 Aug.	11, 1884	7	Yes. ....	1,470		1,470 728
Yes. ....	1	Sept.	1 Sept.	21, 1884	20	No. ....	594		150 729
Yes. ....	1	1 Sept.	1 Sept.	2, 1884	1	No. ....	53		15 730
Yes. ....	1	181 Sept.	1 Mar.	1, 1885	181	Yes. ....	90,000	1,800	5,000 731
Yes. ....	5	184 Mar.	12 Sept.	12, 1884	184	No. ....	116,000	500	25,000 732
Yes. ....	1	2 Apr.	16 April	17, 1884	2	Yes. ....	74		733
Yes. ....	1	3 Apr.	18 April	21, 1884	3	No. ....	1,613	2,650	5,000 734
Yes. ....	1	June	24 Jan.	1, 1885	190	No. ....	12,000	250	10,000 735
No. ....	1	Sept.	1 Sept.	4, 1884	3	Yes. ....	84		100 736



*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1882—Continued.</b>										
TOBACCO—Concluded.										
696 Cigarmakers .....	7		7	7		7	\$1 50		\$1 75	
697 Employés, cigar factory .....	10		10	4		4	2 00		2 25	
698 Cigarmakers .....	207		207	207		207	1 50		1 60	
699 Cigarmakers .....	196		196	196		196	1 50		1 60	
700 Cigarmakers .....	172		172	172		172	1 50		1 60	
701 Cigarmakers .....	160		160	160		160	1 50		1 60	
702 Cigarmakers .....	148		148	148		148	1 50		1 60	
703 Cigarmakers .....	387		387	387		387	1 50		1 60	
704 Employés, cigar factory .....	36		36	36		36	1 65		1 70	
TRANSPORTATION.										
705 Dock laborers .....	200		200	200		200	3 00		3 00	
706 Laborers and wharf hands .....	40		40	40		40	2 00		2 25	
707 Laborers and wharf hands .....	250		250	250		250	2 00		2 25	
708 Laborers and wharf hands .....	60		60	60		60	2 00		2 25	
709 Drivers and conductors, street railway .....	300		300	300		300	3 00		3 00	
710 Laborers and wharf hands .....	50		50	50		50	2 00		2 25	
711 Laborers and wharf hands .....	20		20	20		20	2 50		3 00	
712 Laborers and wharf hands .....	150		150	150		150	2 00		2 25	
713 Laborers and wharf hands .....	150		150	150		150	2 25		2 25	
714 Laborers and wharf hands .....	50		50	50		50	2 25		2 25	
715 Laborers and wharf hands .....	40		40	40		40	2 25		2 25	
716 Laborers and wharf hands .....	20		20	20		20	3 00		3 00	
717 Switchmen and yardmen .....	194		194	194		194	2 12		2 12	
718 Laborers and wharf hands .....	60		60	60		60	2 25		2 25	
719 Laborers and wharf hands .....	250		250	250		250	2 25		2 25	
720 Switchmen and yardmen .....	450		450	450		450	2 33		2 33	
WOODEN GOODS.										
721 Boxmakers .....	10	40	50	10	40	50	1 50	\$0 55	1 50	\$0 55
<b>1884.</b>										
BUILDING TRADES..										
722 Carpenters .....	5,000		5,000	5,000		5,000	2 50		3 00	
723 Carpenters .....	15		15	15		15	2 50		2 50	
724 Plasterers .....	45		45	50		50	4 50		3 25	
CLOTHING.										
725 Tailors .....	33		33	33		33	1 65		1 67	
COOPERAGE.										
726 Employés .....	370		370	370		370	1 50		1 75	
727 Employés .....	140		140	140		140	1 75		1 75	
728 Employés .....	140		140	140		140	1 75		2 00	
729 Employés .....	20		20	20		20	1 45		1 60	
730 Employés .....	32		32	32		32	1 65		1 65	
GLASS.										
731 Blowers, bottle-glass works....	400		400	400		400	2 50		2 50	
METALS AND METALLIC GOODS.										
732 Moulders, stove foundry .....	300		300	300		300	2 50		2 50	
733 Moulders, stove foundry .....	27		27	27		27	2 75		2 75	
734 Moulders, stove foundry .....	250		250	250		250	2 15		2 00	
735 Moulders, iron foundry .....	60		60	60		60	2 00		2 00	
736 Employés, fire proof construction material works .....	125		125	125		125	1 25		1 30	

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro'ght from other places.	WEEKLY WORK-ING HOURS.		
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
7	\$1 50	\$1 75	7	.....	7	.....	.....	.....	.....	60	60	686
10	2 00	2 25	10	.....	10	.....	3	.....	3	55	55	697
207	1 50	1 60	207	.....	207	.....	.....	.....	.....	60	60	698
196	1 50	1 60	196	.....	196	.....	.....	.....	.....	60	60	699
172	1 50	1 60	172	.....	172	.....	.....	.....	.....	60	60	700
160	1 50	1 60	160	.....	160	.....	.....	.....	.....	60	60	701
148	1 50	1 60	148	.....	148	.....	.....	.....	.....	60	60	702
337	1 50	1 60	337	.....	337	.....	.....	.....	.....	60	60	703
36	1 65	1 70	36	.....	36	.....	.....	.....	.....	48	48	704
200	3 00	a	200	.....	200	200	.....	200	200	60	60	705
40	2 00	2 25	40	.....	40	5	.....	5	.....	60	60	706
250	2 00	2 25	250	.....	250	20	.....	20	.....	60	60	707
60	2 00	2 25	60	.....	60	5	.....	5	.....	60	60	708
300	3 00	3 00	300	.....	300	.....	.....	.....	.....	70	70	709
50	2 00	2 25	50	.....	50	5	.....	5	.....	60	60	710
20	2 50	3 00	20	.....	20	5	.....	5	.....	60	60	711
150	3 00	2 25	150	.....	150	10	.....	10	.....	60	60	712
150	2 25	2 25	150	.....	150	10	.....	10	.....	60	60	713
50	2 25	2 25	50	.....	50	5	.....	5	.....	60	60	714
40	2 25	2 25	40	.....	40	5	.....	5	.....	60	60	715
20	3 00	3 00	20	.....	20	5	.....	5	.....	60	60	716
185	2 12	2 12	185	.....	185	118	.....	118	27	68	68	717
60	2 25	3 25	60	.....	60	5	.....	5	.....	60	60	718
250	2 25	2 25	250	.....	250	20	.....	20	.....	60	60	719
450	2 38	2 38	450	.....	450	100	.....	100	100	60	60	720
50	74	74	10	40	50	5	15	20	.....	66	66	721
2,000	2 50	3 00	2,000	.....	2,000	20	.....	200	.....	60	59	722
15	2 50	2 50	15	.....	15	.....	.....	.....	.....	60	60	723
30	4 50	a	30	.....	30	50	.....	50	25	59	59	724
33	1 65	1 67	33	.....	33	.....	.....	.....	.....	51	48	725
379	1 50	1 75	379	.....	379	.....	.....	.....	.....	60	60	726
140	1 75	1 75	140	.....	140	.....	.....	.....	.....	60	60	727
140	1 75	2 00	140	.....	140	.....	.....	.....	.....	60	60	728
20	1 65	1 60	20	.....	20	3	.....	3	3	60	60	729
32	1 65	1 65	32	.....	32	.....	.....	.....	.....	60	60	730
35	4 00	4 00	400	.....	400	.....	.....	.....	.....	60	60	731
300	2 50	2 50	300	.....	300	50	.....	50	50	54	54	732
27	2 75	2 75	27	.....	27	.....	.....	.....	.....	60	60	733
100	3 25	3 00	250	.....	250	90	.....	90	.....	60	60	734
30	3 00	3 00	38	.....	30	30	.....	30	30	60	60	735
25	1 25	1 50	25	.....	25	.....	.....	.....	.....	60	60	736

a Not re-employed.

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1884—Continued.</b>		
<b>METALS AND METALLIC GOODS</b>		
—Concluded.		
737 Employés, barbed wire works.	Joliet.....	For increase of wages.....
738 Moulders, stove foundry .....	Quincy .....	For recognition of union.....
<b>MINING.</b>		
739 Miners, etc., coal.....	DuQuoin.....	For payment of wages overdue.....
740 Miners, etc., coal.....	Decatur.....	Against reduction of wages.....
741 Miners, etc., coal.....	Peoria.....	For increase of wages.....
742 Miners, etc., coal.....	Mattoon.....	Against reduction of wages.....
743 Miners, etc., coal.....	Illiana.....	For payment of wages overdue.....
744 Miners, etc., coal.....	Streator.....	Against reduction of wages.....
745 Miners, etc., coal.....	Belleville.....	For increase of wages.....
746 Miners, etc., coal.....	New Burnside.....	For payment of wages overdue.....
747 Miners, etc., coal.....	Ledford.....	For payment of wages overdue.....
748 Miners, etc., coal.....	Mandoval.....	Against reduction of wages.....
749 Miners, etc., coal.....	Girard.....	Against reduction of wages.....
750 Miners, etc., coal.....	Illiana.....	For payment of wages overdue.....
751 Miners, etc., coal.....	Ridgely.....	For increase of wages.....
752 Miners, etc., coal.....	Barclay and vicinity.....	For increase of wages.....
753 Miners, etc., coal.....	DuQuoin.....	For payment of wages overdue.....
<b>POTTERY, EARTHENWARE, ETC.</b>		
754 Laborers, sewer pipe, etc., works .....	Utica.....	Against reduction of wages.....
<b>PRINTING AND PUBLISHING.</b>		
755 Compositors.....	Peoria.....	Against "patent" matter.....
<b>PUBLIC WORKS CONSTRUCTION.</b>		
756 Laborers, laying water mains.	Greenville.....	Against reduction of wages.....
<b>RAILROAD CAR BUILDING.</b>		
757 Laborers, car works.....	Pullman.....	Against reduction of wages.....
758 Employés, palace-car works .....	Chicago .....	Against reduction of wages.....
<b>TOBACCO.</b>		
759 Cigarmakers .....	Champaign.....	For increase of wages.....
760 Cigarmakers .....	Chicago.....	For adoption of union scale of prices .....
<b>TRANSPORTATION.</b>		
761 Laborers and wharf hands .....	Cairo.....	For increase of wages.....
762 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
763 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
764 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
765 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
766 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
767 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
768 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
769 Laborers and wharf hands .....	Cairo.....	For increase of wages.....
770 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
771 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
772 Laborers and wharf hands .....	Chicago.....	For increase of wages.....
<b>1885.</b>		
<b>AGRICULTURAL IMPLEMENTS.</b>		
773 Employés, harvester works .....	Chicago.....	For increase of wages.....

*Strikes by Years and Industries—Continued.*

Ordered by labor organi- zation.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
No .....	1	.....	Sept.	3 Sept.	6, 1884	3 No .....	\$168	.....	\$50
Yes .....	1	.....	Oct.	8 Oct.	10, 1884	2 No .....	825	.....	250
No .....	1	11 Apr.	1 April	12, 1884	11 Yes .....	1,350	.....	500	739
Yes .....	1	10 Apr.	5 April	15, 1884	10 No .....	2,268	.....	3,000	740
Yes .....	15	97 May	15 Aug.	20, 1884	97 No .....	60,000	.....	35,000	741
No .....	1	12 May	20 June	10, 1884	21 Yes .....	884	.....	3,000	742
No .....	1	11 June	1 June	12, 1884	11 No .....	875	.....	500	743
Yes .....	1	85 June	1 Aug.	25, 1884	85 Yes .....	25,000	\$500	25,000	744
Yes .....	16	51 June	1 July	23, 1884	51 No .....	24,400	500	9,700	745
No .....	1	42 June	20 Aug.	1, 1884	42 No .....	3,150	.....	2,000	746
No .....	1	38 June	20 July	28, 1884	38 Yes .....	3,988	.....	3,000	747
Yes .....	1	14 July	1 July	15, 1884	14 No .....	3,192	.....	175	748
No .....	1	42 July	17 Aug.	28, 1884	42 No .....	6,300	.....	2,500	749
No .....	1	11 Sept.	1 Sept.	12, 1884	11 Yes .....	770	.....	500	750
Yes .....	1	14 Sept.	1 Sept.	15, 1884	14 No .....	4,098	.....	1,000	751
Yes .....	2	14 Sept.	10 Sept.	24, 1884	14 No .....	4,788	.....	900	752
No .....	1	11 Oct.	1 Oct.	12, 1884	11 No .....	1,350	.....	500	753
Yes .....	1	5 Nov.	29 Dec.	4, 1884	5 Yes .....	300	.....	50	754
Yes .....	1	.....	June	2 June	5, 1884	3 No .....	24	.....	755
No .....	1	2 Sept.	22 Sept.	24, 1884	2 No .....	128	.....	100	756
Yes .....	1	.....	Mar.	4 Mar.	5, 1884	1 Yes .....	225	.....	50
No .....	1	.....	Mar.	5 Mar.	6, 1884	1 No .....	180	.....	25
Yes .....	1	42 May	1 June	12, 1884	42 No .....	2,160	.....	100	769
Yes .....	1	24 May	16 June	9, 1884	24 Yes .....	1,896	1,586	a	760
No .....	8	3 June	1 June	4, 1884	3 Yes .....	240	.....	250	761
No .....	1	2 June	1 June	3, 1884	2 Yes .....	1,000	.....	1,000	762
No .....	1	1 June	1 June	2, 1884	1 Yes .....	120	.....	200	763
No .....	1	3 June	15 June	18, 1884	3 Yes .....	300	.....	200	764
No .....	1	2 June	15 June	17, 1884	2 Yes .....	100	.....	500	765
No .....	1	3 July	15 July	18, 1884	3 Yes .....	900	.....	1,000	766
No .....	1	3 Sept.	15 Sept.	18, 1884	3 No .....	1,013	.....	1,000	767
No .....	1	3 Sept.	15 Sept.	18, 1884	3 No .....	448	.....	200	768
No .....	8	3 Oct.	1 Oct.	4, 1884	3 No .....	270	.....	500	770
No .....	1	2 Oct.	1 Oct.	3, 1884	2 No .....	120	.....	200	771
No .....	1	1 Oct.	15 Oct.	16, 1884	1 No .....	135	.....	1,000	772
No .....	1	2 Oct.	16 Oc.	17, 1884	2 No .....	1,125	.....	.....	.....
Yes .....	1	15 Mar.	27 April	11, 1885	15 No .....	37,440	.....	25,000	773

a Firm became insolvent and goods were sold by sheriff.

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1884—Continued.</b>										
METALS AND METALLIC GOODS										
—Concluded.										
737 Employés, barbed wire works.	60		60	60		60	\$2 80		\$2 80	
738 Moulders, stove foundry.	100		100	100		100	2 50		2 50	
MINING.										
739 Miners, etc., coal.	90		90	90		90	1 50		1 50	
740 Miners, etc., coal.	126		126	126		126	2 00		1 80	
741 Miners, etc., coal.	500		500	500		500	2 00		2 00	
742 Miners, etc., coal.	48		48	48		48	2 00		2 00	
743 Miners, etc., coal.	50		50	50		50	1 75		1 50	
744 Miners, etc., coal.	250		250	250		250	1 85		1 85	
745 Miners, etc., coal.	610		610	610		610	2 00		2 00	
746 Miners, etc., coal.	60		60	a		a	1 75		a	
747 Miners, etc., coal.	75		75	75		75	1 75		1 75	
748 Miners, etc., coal.	140		140	140		140	2 00		1 90	
749 Miners, etc., coal.	100		100	125		125	1 75		1 55	
750 Miners, etc., coal.	50		50	50		50	1 50		1 75	
751 Miners, etc., coal.	170		170	170		170	2 00		2 00	
752 Miners, etc., coal.	210		210	210		210	1 90		1 90	
753 Miners, etc., coal.	90		90	90		90	1 50		1 50	
POTTERY, EARTHENWARE, ETC.										
754 Laborers, sewer pipe, etc., works.	50		50	50		50	1 50		1 50	
PRINTING AND PUBLISHING.										
755 Compositors.	8		8	8		8	1 60		1 60	
PUBLIC WORKS CONSTRUCTION.										
756 Laborers, laying water mains.	35		35	35		35	1 75		1 50	
RAILROAD CAR BUILDING.										
757 Laborers, car works.	200		200	200		200	1 50		1 50	
758 Employés, palace-car works.	120		120	120		120	1 50		1 40	
TOBACCO.										
759 Cigarmakers.	20		20	22		22	3 00		2 25	
760 Cigarmakers.	68		68	60		60	50		1 50	
TRANSPORTATION.										
761 Laborers and wharf hands.	40		40	40		40	3 00		2 25	
762 Laborers and wharf hands.	250		250	250		250	2 00		2 25	
763 Laborers and wharf hands.	60		60	60		60	2 00		2 25	
764 Laborers and wharf hands.	50		50	50		50	2 00		2 25	
765 Laborers and wharf hands.	20		20	20		20	2 50		3 00	
766 Laborers and wharf hands.	150		150	150		150	2 00		2 25	
767 Laborers and wharf hands.	150		150	150		150	2 25		2 25	
768 Laborers and wharf hands.	50		50	50		50	2 25		2 25	
769 Laborers and wharf hands.	40		40	40		40	2 25		2 25	
770 Laborers and wharf hands.	20		20	20		20	3 00		3 00	
771 Laborers and wharf hands.	60		60	60		60	2 25		2 25	
772 Laborers and wharf hands.	250		250	250		250	2 25		2 25	
<b>1885.</b>										
AGRICULTURAL IMPLEMENTS.										
773 Employés, harvester works.	1,560		1,560	1,600		1,600	2 00		2 00	

a The company failed shortly after the strike.

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro'ght from other places.	WEEKLY WORKING HOURS.		
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
20	\$2 80	\$2 80	20	.....	20	20	.....	20	20	66	60	737
65	2 50	2 50	65	.....	65	.....	.....	.....	.....	54	54	738
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60	739
126	2 00	1 80	126	.....	126	.....	.....	.....	.....	60	60	740
500	2 00	2 00	500	.....	500	100	.....	100	100	60	60	741
48	2 00	2 00	48	.....	48	16	.....	16	.....	48	48	742
50	1 75	1 50	50	.....	50	10	.....	10	.....	60	60	743
250	1 85	1 85	250	.....	250	.....	.....	.....	.....	60	60	744
610	2 00	2 00	610	.....	610	50	.....	50	.....	60	60	745
60	1 75	.....	60	.....	60	.....	.....	.....	.....	60	.....	746
75	1 75	1 75	75	.....	75	.....	.....	.....	.....	60	60	747
140	2 00	1 90	140	.....	140	.....	.....	.....	.....	60	60	748
100	1 75	1 55	100	.....	100	75	.....	75	75	60	60	749
50	1 50	1 75	50	.....	50	5	.....	5	.....	60	60	750
170	2 00	2 00	170	.....	170	.....	.....	.....	.....	60	60	751
210	1 90	1 90	210	.....	210	.....	.....	.....	.....	60	60	753
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60	753
50	1 50	1 50	50	.....	50	.....	.....	.....	.....	60	60	754
5	1 60	1 60	5	.....	5	3	.....	3	.....	60	60	755
35	1 75	1 50	35	.....	35	15	.....	15	.....	60	60	756
150	1 50	1 50	150	.....	150	.....	.....	.....	.....	60	60	757
120	1 50	1 40	120	.....	120	.....	.....	.....	.....	60	60	758
20	3 00	2 25	20	.....	20	22	.....	22	22	60	60	759
68	1 50	1 50	68	.....	68	.....	.....	.....	.....	48	48	760
40	2 00	2 25	40	.....	40	5	.....	5	.....	60	60	761
250	2 00	2 25	250	.....	250	20	.....	20	.....	60	60	762
60	2 00	2 25	60	.....	60	5	.....	5	.....	60	60	763
50	2 00	2 25	50	.....	50	5	.....	5	.....	60	60	764
20	2 50	3 00	20	.....	20	5	.....	5	.....	60	60	765
150	2 00	2 25	150	.....	150	10	.....	10	.....	60	60	766
150	2 25	2 25	150	.....	150	10	.....	10	.....	60	60	767
50	2 25	2 25	50	.....	50	5	.....	5	.....	60	60	768
40	2 25	2 25	40	.....	40	5	.....	5	.....	60	60	769
20	3 00	3 00	20	.....	20	5	.....	5	.....	60	60	770
60	2 25	2 25	60	.....	60	5	.....	5	.....	60	60	771
250	2 25	2 25	250	.....	250	20	.....	20	.....	60	60	772
1,560	2 00	2 00	1,560	.....	1,560	300	.....	300	300	60	60	773

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1895—Continued.</b>		
<b>BUILDING TRADES.</b>		
774 Gasfitters.....	Chicago.....	For discharge of non-union employes.....
<b>CLOTHING.</b>		
775 Tailors.....	Champaign and Urbana.....	Against extra work without extra pay.....
<b>COOPERAGE.</b>		
776 Employes.....	Chicago.....	For increase of wages.....
777 Employes.....	Chicago.....	For increase of wages.....
778 Coopers.....	Chicago.....	For increase of wages.....
779 Employes.....	Peoria.....	Against reduction of wages.....
780 Employes.....	Chicago.....	For increase of wages.....
<b>FOOD PREPARATIONS.</b>		
781 Packers, pork packing.....	Chicago.....	For increase of wages.....
<b>GLASS.</b>		
782 Blowers, bottle-glass works.....	Alton.....	Against reduction of wages.....
783 Employes.....	Rock Island and Ottawa.....	Against reduction of wages.....
<b>MACHINES AND MACHINERY.</b>		
784 Laborers, railroad machine shop.....	Springfield.....	Against reduction of wages.....
785 Boilermakers, railroad machine shop.....	Chicago.....	Against reduction of wages.....
786 Machinists and helpers, railroad machine shop.....	Chicago.....	Against employment of non-union men.....
787 Machinists and helpers, railroad machine shop.....	Decatur.....	In anticipation of a lockout.....
788 Laborers, railroad machine shop.....	Springfield.....	In anticipation of a lockout.....
<b>METALS AND METALLIC GOODS.</b>		
789 Employes, iron and steel w'ks.....	Cummings.....	Against discharge of an employe.....
790 Employes, cutlery works.....	Chicago.....	For increase of wages.....
791 Employes, rail mill.....	South Chicago.....	For increase of wages.....
792 Shovelers, iron, etc., works.....	Chicago.....	For discharge of foreman.....
793 Horseshoers.....	Chicago.....	For discharge of a non-union employe.....
794 Employes, nail works.....	Belleville.....	Against reduction of wages.....
795 Employes, nail works.....	Belleville.....	Against reduction of wages.....
796 Moulders, stove foundry.....	Belleville.....	Against deduction for imperfect work.....
<b>MINING.</b>		
797 Miners, etc., coal.....	Danville.....	Against reduction of wages.....
798 Miners, etc., coal.....	Sunfield.....	Against change in method of digging coal.....
799 Miners, etc., coal.....	Centralla.....	Against change in method of digging coal.....
800 Miners, etc., coal.....	Macoupin county.....	Against reduction of wages.....
801 Miners, etc., coal.....	Niantic.....	Against reduction of wages.....
802 Miners, etc., coal.....	Pana.....	For increase of wages.....
803 Miners, etc., coal.....	DuQuoin.....	Against reduction of wages.....
804 Miners, etc., coal.....	DuQuoin.....	For payment of wages overdue.....
805 Miners, etc., coal.....	Bloomington.....	Against reduction of wages.....
806 Miners, etc., coal.....	Streator.....	Against reduction of wages.....
807 Miners, etc., coal.....	Collinsville.....	In sympathy with strike elsewhere.....
808 Miners, etc., coal.....	Bryden's Junction.....	For increase of wages.....
809 Miners, etc., coal.....	Holden.....	In sympathy with strike elsewhere.....
810 Miners, etc., coal.....	Belleville.....	For increase of wages.....
811 Miners, etc., coal.....	Illiana.....	For payment of wages overdue.....

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.	
	Num- ber.	Days closed.					Loss.	Assist- ance.		
Yes .....	1	.....	May 15	May 26, 1885	10	No .....	\$378	.....	.....	774
Yes .....	3	.....	5 Oct.	8 Oct. 13, 1885	5	Yes .....	220	.....	\$600	775
Yes .....	25	.....	6 May	6 May 12, 1885	6	Yes .....	3,552	.....	3,852	776
Yes .....	1	.....	21 Sept.	1 Sept. 22, 1885	21	Yes .....	1,368	\$350	2,000	777
Yes .....	5	.....	17 Oct.	8 Oct. 25, 1885	17	No .....	22,375	.....	3,400	778
Yes .....	14	.....	1 Oct.	20 Oct. 21, 1885	1	Yes .....	578	.....	558	779
Yes .....	28	.....	8 Nov.	2 Nov 10, 1885	8	Yes .....	5,100	2,100	5,000	780
No .....	1	.....	July 17	July 18, 1885	1	No .....	288	.....	500	781
Yes .....	1	.....	181 Sept.	1 Mar. 1, 1886	181	Yes .....	90,000	1,800	5,000	782
Yes .....	2	.....	49 Sept.	1 Oct. 20, 1885	49	Partly ...	27,720	.....	25,000	783
Yes .....	1	.....	20 Feb.	25 Mar. 17, 1885	20	Yes .....	10,454	3,500	2,500	784
Yes .....	1	.....	4 Feb.	26 Mar. 2, 1885	4	Yes .....	1,100	.....	500	785
Yes .....	1	.....	7 Mar.	4 Mar. 11, 1885	7	No .....	1,980	.....	500	786
Yes .....	1	.....	..... June	15 Sept. 7, 1885	84	No .....	3,480	800	2,800	787
Yes .....	1	.....	14 June	15 Sept. 7, 1885	84	No .....	35,096	1,065	2,800	788
No .....	1	.....	21 Feb.	15 Mar. 9, 1885	21	No .....	22,570	.....	10,000	789
No .....	1	.....	42 April	6 May 18, 1885	42	No .....	12,800	.....	10,000	790
No .....	1	.....	16 May	1 May 17, 1885	16	No .....	60,000	.....	25,000	791
Yes .....	1	.....	..... May	5 July 15, 1885	71	No .....	4,320	.....	600	792
Yes .....	1	.....	5 May	15 May 20, 1885	5	No .....	52	40	.....	793
Yes .....	1	.....	180 June	1 Mar. 15, 1886	457	No .....	75,000	.....	12,000	794
Yes .....	1	.....	75 June	1 Sept. 1, 1886	287	No .....	250,000	1,600	40,000	795
No .....	1	.....	..... Oct.	25 Oct. 29, 1885	4	No .....	500	.....	100	796
Yes .....	1	.....	4 Jan.	31 Feb. 4, 1885	4	No .....	1,680	.....	50	797
No .....	1	.....	14 Feb.	15 Mar. 1, 1885	14	No .....	1,980	.....	.....	798
No .....	1	.....	10 Feb.	24 Mar. 6, 1885	10	No .....	1,725	.....	500	799
Yes .....	7	.....	99 Mar.	1 June 8, 1885	99	Partly ...	198,240	1,000	39,000	800
Yes .....	1	.....	33 Mar.	3 April 5, 1885	33	Partly ...	2,625	.....	.....	801
Yes .....	1	.....	1 Mar.	3 Mar. 4, 1885	1	Yes .....	150	.....	190	802
Yes .....	1	.....	7 April	1 April 8, 1885	7	No .....	263	.....	250	803
No .....	1	.....	11 April	1 April 12, 1885	11	Yes .....	1,350	.....	500	804
Yes .....	1	.....	..... April	1 May 16, 1885	45	No .....	15,000	.....	3,000	805
Yes .....	1	.....	30 April	1 May 1, 1885	30	No .....	44,800	500	10,000	806
No .....	6	.....	14 April	27 June 8, 1885	42	No .....	14,220	.....	7,850	807
No .....	1	.....	..... May	1 May 11, 1885	10	No .....	1,100	.....	1,000	808
No .....	1	.....	2 May	1 May 3, 1885	2	No .....	150	.....	100	809
Yes .....	16	.....	68 May	13 July 15, 1885	63	No .....	31,050	1,500	10,200	810
No .....	1	.....	10 June	1 June 11, 1885	10	No .....	750	.....	500	811



*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1885—Continued.</b>										
<b>BUILDING TRADES.</b>										
774 Gasfitters .....	50	.....	50	50	.....	50	\$3 50	.....	\$3 50	.....
<b>CLOTHING.</b>										
775 Tailors .....	22	.....	22	22	.....	22	2 50	.....	2 50	.....
<b>COOPERAGE.</b>										
776 Employés .....	428	.....	428	428	.....	428	1 50	.....	1 75	.....
777 Employés .....	88	.....	88	88	.....	88	2 00	.....	2 25	.....
778 Coopers .....	680	.....	680	680	.....	680	2 75	.....	2 75	.....
779 Employés .....	289	.....	289	289	.....	289	2 00	.....	2 00	.....
780 Employés .....	445	.....	445	445	.....	445	1 75	.....	2 00	.....
<b>FOOD PREPARATIONS.</b>										
781 Packers, pork packing .....	3,200	150	3,350	3,230	150	3,380	2 50	\$1 00	2 50	\$1 00
<b>GLASS.</b>										
782 Blowers, bottle-glass works....	400	.....	400	400	.....	400	2 50	.....	2 50	.....
783 Employés .....	385	.....	385	385	.....	385	2 25	.....	2 00	.....
<b>MACHINES AND MACHINERY.</b>										
784 Laborers, railroad machine shop .....	406	.....	406	406	.....	406	1 60	.....	1 60	.....
785 Boilermakers, railroad machine shop .....	100	.....	100	100	.....	100	2 75	.....	2 75	.....
786 Machinists and helpers, railroad machine shop .....	120	.....	120	120	.....	120	2 75	.....	2 75	.....
787 Machinists and helpers, railroad machine shop .....	200	.....	200	160	.....	160	1 45	.....	1 87	.....
788 Laborers, railroad machine shop .....	400	.....	400	300	.....	300	1 60	.....	1 60	.....
<b>METALS AND METALLIC GOODS.</b>										
789 Employés, iron and steel works	500	.....	500	500	.....	500	2 50	.....	2 50	.....
790 Employés, cutlery works .....	200	.....	200	200	.....	200	1 75	.....	1 75	.....
791 Employés, rail mill .....	2,000	.....	2,000	2,000	.....	2,000	2 50	.....	2 50	.....
792 Shovelers, iron, etc., works....	40	.....	40	40	.....	40	3 00	.....	3 00	.....
793 Horseshoers .....	4	.....	4	4	.....	4	3 25	.....	3 25	.....
794 Employés, nail works .....	250	.....	250	250	.....	250	2 25	.....	2 15	.....
795 Employés, nail works .....	450	.....	450	450	.....	450	2 50	.....	2 38	.....
796 Moulders, stove foundry .....	120	.....	120	120	.....	120	2 00	.....	2 00	.....
<b>MINING.</b>										
797 Miners, etc., coal .....	320	.....	320	320	.....	320	2 00	.....	1 75	.....
798 Miners, etc., coal .....	132	.....	132	132	.....	132	1 50	.....	1 50	.....
799 Miners, etc., coal .....	110	.....	110	110	.....	110	1 75	.....	1 75	.....
800 Miners, etc., coal .....	1,710	.....	1,710	1,710	.....	1,710	1 95	.....	1 79	.....
801 Miners, etc., coal .....	50	.....	50	50	.....	50	1 75	.....	1 65	.....
802 Miners, etc., coal .....	75	.....	75	75	.....	75	2 00	.....	2 50	.....
803 Miners, etc., coal .....	25	.....	25	25	.....	25	1 75	.....	1 50	.....
804 Miners, etc., coal .....	90	.....	90	90	.....	90	1 50	.....	1 50	.....
805 Miners, etc., coal .....	275	.....	275	275	.....	275	2 00	.....	1 75	.....
806 Miners, etc., coal .....	1,000	.....	1,000	1,000	.....	1,000	1 85	.....	1 70	.....
807 Miners, etc., coal .....	485	.....	485	435	.....	435	2 00	.....	2 00	.....
808 Miners, etc., coal .....	75	.....	75	75	.....	75	1 75	.....	1 75	.....
809 Miners, etc., coal .....	50	.....	50	50	.....	50	1 50	.....	1 50	.....
810 Miners, etc., coal .....	621	.....	621	600	.....	600	2 00	.....	2 00	.....
811 Miners, etc., coal .....	50	.....	50	50	.....	50	1 75	.....	1 50	.....

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Brought from other places.	WEEKLY WORKING HOURS.		
Number.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
18	\$3 50	\$3 50	18	.....	18	18	.....	18	.....	60	60	774
20	2 20	2 50	20	.....	20	.....	.....	.....	.....	60	60	775
428	1 50	1 75	428	.....	428	.....	.....	.....	.....	60	60	776
38	3 00	2 25	38	.....	38	.....	.....	.....	.....	55	55	777
680	2 75	2 75	680	.....	680	545	.....	545	365	60	60	778
289	2 00	2 00	289	.....	289	.....	.....	.....	.....	60	60	779
445	1 75	2 00	445	.....	445	.....	.....	.....	.....	61	60	780
120	2 50	2 50	120	.....	120	100	.....	100	.....	60	60	781
85	4 00	4 00	400	.....	400	.....	.....	.....	.....	60	60	782
385	2 25	2 00	385	.....	385	.....	.....	.....	.....	55	55	783
368	1 60	1 60	368	.....	368	.....	.....	.....	.....	54	54	784
100	2 75	2 75	100	.....	100	.....	.....	.....	.....	60	60	785
120	2 75	2 75	120	.....	120	.....	.....	.....	.....	60	60	786
40	1 45	1 87	40	.....	40	.....	.....	.....	.....	40	60	787
400	1 60	1 60	400	.....	400	168	.....	168	162	54	54	788
500	2 50	2 50	500	.....	500	.....	.....	.....	.....	72	72	789
200	1 75	1 75	200	.....	200	25	.....	25	.....	60	60	790
80	1 75	1 75	2,000	.....	2,000	.....	.....	.....	.....	72	72	791
39	3 00	3 00	39	.....	39	39	.....	39	39	72	72	792
3	3 25	3 25	4	.....	4	.....	.....	.....	.....	59	59	793
96	2 50	2 25	250	.....	250	.....	.....	.....	.....	60	54	794
200	3 00	2 50	450	.....	450	200	.....	200	120	60	60	795
50	2 50	2 50	50	.....	50	.....	.....	.....	.....	60	60	796
320	2 00	1 75	320	.....	320	.....	.....	.....	.....	60	60	797
98	1 50	1 50	110	.....	110	.....	.....	.....	.....	60	60	798
110	1 75	1 75	110	.....	110	35	.....	35	20	60	60	799
1,710	1 95	1 79	1,710	.....	1,710	.....	.....	.....	.....	60	60	800
50	1 75	1 65	50	.....	50	.....	.....	.....	.....	60	60	801
75	2 00	2 50	75	.....	75	.....	.....	.....	.....	60	60	802
25	1 75	1 50	25	.....	25	5	.....	5	.....	60	60	803
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60	804
250	2 00	1 75	250	.....	250	250	.....	250	200	60	60	805
1,000	1 85	1 70	1,000	.....	1,000	.....	.....	.....	.....	60	60	806
485	2 00	2 00	485	.....	485	100	.....	100	50	60	60	807
75	1 75	1 75	75	.....	75	.....	.....	.....	.....	60	60	808
50	1 50	1 50	50	.....	50	.....	.....	.....	.....	59	59	809
621	2 00	2 00	621	.....	621	75	.....	75	.....	60	60	810
50	1 75	1 50	50	.....	50	10	.....	10	.....	60	60	811

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1885—Continued.</b>		
<b>MINING—Concluded.</b>		
812 Miners, etc., coal.....	St. Johns.....	Against reduction of wages.....
813 Miners, etc., coal.....	Springfield.....	Against reduction of wages.....
814 Miners, etc., coal.....	Pana.....	Against discharge of employes.....
815 Miners, etc., coal.....	Illiana.....	For payment of wages overdue.....
816 Miners, etc., coal.....	St. Johns.....	For increase of wages.....
817 Miners, etc., coal.....	DuQuoin.....	For increase of wages.....
818 Miners, etc., coal.....	DuQuoin.....	For increase of wages.....
819 Miners, etc., coal.....	Bryden's Junction.....	For payment of wages overdue.....
820 Miners, etc., coal.....	DuQuoin.....	For payment of wages overdue.....
821 Miners, etc., coal.....	DuQuoin.....	For increase of wages.....
822 Miners, etc., coal.....	Holden.....	In sympathy with strike elsewhere.....
823 Miners, etc., coal.....	DuQuoin.....	For increase of wages.....
824 Miners, etc., coal.....	Centralia.....	For reinstatement of a discharged employe.....
825 Miners, etc., coal.....	Murphysborough.....	For increase of wages.....
826 Miners, etc., coal.....	Riverton.....	Against discharge of 18 union employes.....
827 Miners, etc., coal.....	St. Johns.....	For increase of wages.....
828 Miners, etc., coal.....	DuQuoin.....	Against change of rules.....
<b>PRINTING AND PUBLISHING.</b>		
829 Bookbinders.....	Chicago.....	For increase of wages.....
830 Compositors.....	Peoria.....	Against "patent" matter.....
<b>PUBLIC WORKS CONSTRUCTION.</b>		
831 Construction hands, street railway.....	Moline.....	For increase of wages.....
<b>STONE QUARRYING AND CUTTING.</b>		
832 Quarrymen.....	Joliet and Lemond.....	For increase of wages.....
<b>TOBACCO.</b>		
833 Cigarmakers.....	Chicago.....	Against reduction of wages.....
794 Cigarmakers.....	Chicago.....	Against employment of non-union men.....
835 Cigarmakers.....	Chicago.....	Against employment of non-union men.....
836 Cigarmakers.....	Aurora.....	Against employment of additional apprentices.....
<b>TRANSPORTATION.</b>		
837 Engineers and firemen, railroad.....	Chicago.....	For increase of wages.....
838 Conductors and brakemen.....	Chicago.....	Against "double-header" freight trains.....
839 Laborers and wharf hands.....	Mound City.....	For increase of wages.....
840 Laborers and wharf hands.....	Chicago.....	For increase of wages.....
841 Laborers and wharf hands.....	Chicago.....	For increase of wages.....
842 Laborers and wharf hands.....	Cairo.....	For increase of wages.....
843 Laborers and wharf hands.....	Chicago.....	For increase of wages.....
844 Laborers and wharf hands.....	Chicago.....	For increase of wages.....
845 Coal shovellers.....	Chicago.....	For increase of wages.....
846 Employes, street railways.....	Chicago.....	Against discharge of 16 employes.....
847 Laborers and wharf hands.....	Chicago.....	For increase of wages.....
848 Laborers and wharf hands.....	Chicago.....	For increase of wages.....
849 Laborers and wharf hands.....	Cairo and Mound City.....	For increase of wages.....
850 Laborers and wharf hands.....	Chicago.....	For increase of wages.....
851 Laborers and wharf hands.....	Chicago.....	For increase of wages.....
852 Laborers and wharf hands.....	Chicago.....	For increase of wages.....
853 Brakemen.....	Chicago.....	For increase of wages.....
<b>WATCHES.</b>		
854 Employes, watch factory.....	Springfield.....	Against reduction of hours and wages.....
855 Employes, watch factory.....	Aurora.....	Against reduction of wages.....

*Strikes by Years and Industries—Continued.*

Ordered by labor organi- zation.	ESTABLISH- MENTS.		Begin- ning.	End.	Duration (Days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
Yes. ....	1	14	June 8	June 22, 1885	14	Yes. ....	\$6,300		\$2,000 812
Yes. ....	1	7	July 5	July 12, 1885	7	No. ....	1,254		200 813
Yes. ....	1		Aug. 20	Aug. 24, 1885	4	No. ....	200		814
No. ....	1	10	Sept. 1	Sept. 11, 1885	10	Yes. ....	675		500 815
Yes. ....	1	38	Sept. 12	Oct. 20, 1885	38	No. ....	15,750		5,000 816
No. ....	1	14	Sept. 12	Sept. 26, 1885	14	Yes. ....	360		500 817
No. ....	1	30	Sept. 15	Oct. 15, 1885	30	Yes. ....	4,550		1,000 818
No. ....	1	14	Sept. 25	Oct. 9, 1885	14	Yes. ....	1,575		1,000 819
No. ....	1	10	Oct. 1	Oct. 11, 1885	10	No. ....	1,215		500 820
Yes. ....	1	7	Oct. 1	Oct. 8, 1885	7	Yes. ....	225		250 821
Yes. ....	1	1	Oct. 1	Oct. 2, 1885	1	No. ....	75		50 822
No. ....	1	7	Oct. 1	Oct. 8, 1885	7	No. ....	225		250 823
No. ....	1	2	Oct. 4	Oct. 6, 1885	2	No. ....	385		100 824
No. ....	1	120	Oct. 18	April 22, 1886	186	Yes. ....	17,500	\$500	15,000 825
Yes. ....	1		Nov. 8	Nov. 20, 1885	17	No. ....	5,550	450	1,000 826
Yes. ....	1		Dec. 23	Dec. 30, 1885	7	No. ....	8,150		1,000 827
No. ....	1		Dec. 24	Dec. 31, 1885	7	Yes. ....	168		200 828
No. ....	1	36	May 10	June 15, 1885	36	No. ....	4,725		5,000 829
Yes. ....	1		Sept. 23	Sept. 26, 1885	3	No. ....	32		25 830
Yes. ....	1	10	May 2	May 12, 1885	10	No. ....	1,000		500 831
No. ....	20	42	Apr. 1	May 13, 1885	42	No. ....	72,000		14,315 832
Yes. ....	1		Jan. 31	Mar. 21, 1885	49	No. ....	480	42	300 833
Yes. ....	1		Mar. 19	Mar. 26, 1885	7	Yes. ....	575	300	100 834
Yes. ....	1		June 25	July 2, 1885	7	Yes. ....	473	180	200 835
Yes. ....	1	31	Dec. 9	Jan. 9, 1886	31	Yes. ....	250	21	836
Yes. ....	1	7	Jan. 12	Jan. 19, 1885	7	Yes. ....	737		1,000 837
Yes. ....	1	6	Jan. 13	Jan. 19, 1885	6	No. ....	1,050		15,000 838
No. ....	1	3	June 1	June 4, 1885	3	Yes. ....	240		250 839
No. ....	1	1	June 1	June 2, 1885	1	Yes. ....	120		200 840
No. ....	1	2	June 1	June 3, 1885	2	Yes. ....	1,000		1,000 841
No. ....	8	3	June 1	June 4, 1885	3	Yes. ....	240		250 842
No. ....	1	3	June 15	June 18, 1885	3	Yes. ....	800		200 843
No. ....	1	2	June 15	June 17, 1885	2	Yes. ....	100		500 844
Yes. ....	2		June 23	July 12, 1885	14	No. ....	1,800		2,500 845
Yes. ....	1		July 1	July 9, 1885	8	Yes. ....	15,000	400	20,000 846
No. ....	1		July 15	July 18, 1885	3	Yes. ....	900		1,000 847
No. ....	2		Sept. 13	Sept. 18, 1885	5	No. ....	1,338		1,200 848
No. ....	9		Oct. 1	Oct. 4, 1885	3	No. ....	540		500 849
No. ....	1		Oct. 1	Oct. 3, 1885	2	No. ....	120		500 850
No. ....	1		Oct. 15	Oct. 16, 1885	1	No. ....	135		500 851
No. ....	1		Oct. 15	Oct. 17, 1885	2	No. ....	1,125		1,000 852
Yes. ....	1	15	Nov. 12	Nov. 27, 1885	15	Yes. ....	560		500 853
No. ....	1		Jan. 2	Jan. 3, 1885	1	No. ....	1,000		1,000 854
No. ....	1		Nov. 13	Nov. 27, 1885	14	No. ....	4,000		5,000 855

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1885—Continued.</b>		
<b>MINING—Concluded.</b>		
812 Miners, etc., coal	St. Johns	Against reduction of wages
813 Miners, etc., coal	Springfield	Against reduction of wages
814 Miners, etc., coal	Pana	Against discharge of employés
815 Miners, etc., coal	Illiana	For payment of wages overdue
816 Miners, etc., coal	St. Johns	For increase of wages
817 Miners, etc., coal	DuQuoin	For increase of wages
818 Miners, etc., coal	DuQuoin	For increase of wages
819 Miners, etc., coal	Bryden's Junction	For payment of wages overdue
820 Miners, etc., coal	DuQuoin	For payment of wages overdue
821 Miners, etc., coal	DuQuoin	For increase of wages
822 Miners, etc., coal	Holden	In sympathy with strike elsewhere
823 Miners, etc., coal	DuQuoin	For increase of wages
824 Miners, etc., coal	Centralia	For reinstatement of a discharged employé
825 Miners, etc., coal	Murphysborough	For increase of wages
826 Miners, etc., coal	Riverton	Against discharge of 18 union employés
827 Miners, etc., coal	St. Johns	For increase of wages
828 Miners, etc., coal	DuQuoin	Against change of rules
<b>PRINTING AND PUBLISHING.</b>		
829 Bookbinders	Chicago	For increase of wages
830 Compositors	Peoria	Against "patent" matter
<b>PUBLIC WORKS CONSTRUCTION.</b>		
831 Construction hands, street railway	Moline	For increase of wages
<b>STONE QUARRYING AND CUTTING.</b>		
832 Quarrymen	Joliet and Lemond	For increase of wages
<b>TOBACCO.</b>		
833 Cigarmakers	Chicago	Against reduction of wages
834 Cigarmakers	Chicago	Against employment of non-union men
835 Cigarmakers	Chicago	Against employment of non-union men
836 Cigarmakers	Aurora	Against employment of additional apprentices
<b>TRANSPORTATION.</b>		
837 Engineers and firemen, railroad	Chicago	For increase of wages
838 Conductors and brakemen	Chicago	Against "double-header" freight trains
839 Laborers and wharf hands	Mound City	For increase of wages
840 Laborers and wharf hands	Chicago	For increase of wages
841 Laborers and wharf hands	Chicago	For increase of wages
842 Laborers and wharf hands	Cairo	For increase of wages
843 Laborers and wharf hands	Chicago	For increase of wages
844 Laborers and wharf hands	Chicago	For increase of wages
845 Coal shovellers	Chicago	For increase of wages
846 Employés, street railways	Chicago	Against discharge of 16 employés
847 Laborers and wharf hands	Chicago	For increase of wages
848 Laborers and wharf hands	Chicago	For increase of wages
849 Laborers and wharf hands	Cairo and Mound City	For increase of wages
850 Laborers and wharf hands	Chicago	For increase of wages
851 Laborers and wharf hands	Chicago	For increase of wages
852 Laborers and wharf hands	Chicago	For increase of wages
853 Brakemen	Chicago	For increase of wages
<b>WATCHES.</b>		
854 Employés, watch factory	Springfield	Against reduction of hours and wages
855 Employés, watch factory	Aurora	Against reduction of wages

*Strikes by Years and Industries—Continued.*

Ordered by labor organi- zation.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (Days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
Yes. ....	1	14	June 8	June 22, 1885	14	Yes. ....	\$6,800		\$2,000 812
Yes. ....	1	7	July 5	July 12, 1885	7	No. ....	1,254		200 813
Yes. ....	1		Aug. 20	Aug. 24, 1885	4	No. ....	200		814
No. ....	1	10	Sept. 1	Sept. 11, 1885	10	Yes. ....	675		500 815
Yes. ....	1	38	Sept. 12	Oct. 20, 1885	38	No. ....	15,750		5,000 816
No. ....	1	14	Sept. 12	Sept. 26, 1885	14	Yes. ....	360		500 817
No. ....	1	30	Sept. 15	Oct. 15, 1885	30	Yes. ....	4,550		1,000 818
No. ....	1	14	Sept. 25	Oct. 9, 1885	14	Yes. ....	1,575		1,000 819
No. ....	1	10	Oct. 1	Oct. 11, 1885	10	No. ....	1,215		500 820
Yes. ....	1	7	Oct. 1	Oct. 8, 1885	7	Yes. ....	225		250 821
Yes. ....	1	1	Oct. 1	Oct. 2, 1885	1	No. ....	75		50 822
No. ....	1	7	Oct. 1	Oct. 8, 1885	7	No. ....	225		250 823
No. ....	1	2	Oct. 4	Oct. 6, 1885	2	No. ....	385		100 824
No. ....	1	120	Oct. 18	April 29, 1886	186	Yes. ....	17,500	\$500	15,000 825
Yes. ....	1		Nov. 8	Nov. 20, 1885	17	No. ....	5,550	450	1,000 826
Yes. ....	1	7	Dec. 23	Dec. 30, 1885	7	No. ....	3,150		1,000 827
No. ....	1	7	Dec. 24	Dec. 31, 1885	7	Yes. ....	168		200 828
No. ....	1	36	May 10	June 15, 1885	36	No. ....	4,725		5,000 829
Yes. ....	1		Sept. 23	Sept. 26, 1885	3	No. ....	82		25 830
Yes. ....	1	10	May 2	May 12, 1885	10	No. ....	1,000		500 831
No. ....	20	42	Apr. 1	May 18, 1885	42	No. ....	72,000		14,315 832
Yes. ....	1		Jan. 31	Mar. 21, 1885	49	No. ....	480	42	300 833
Yes. ....	1		Mar. 19	Mar. 26, 1885	7	Yes. ....	575	300	100 834
Yes. ....	1		June 25	July 2, 1885	7	Yes. ....	473	180	200 835
Yes. ....	1	31	Dec. 9	Jan. 9, 1886	31	Yes. ....	250	21	836
Yes. ....	1	7	Jan. 12	Jan. 19, 1885	7	Yes. ....	737		1,000 837
Yes. ....	1	6	Jan. 13	Jan. 19, 1885	6	No. ....	1,050		15,000 838
No. ....	1	3	June 1	June 4, 1885	3	Yes. ....	240		250 839
No. ....	1	1	June 1	June 2, 1885	1	Yes. ....	120		200 840
No. ....	1	2	June 1	June 3, 1885	2	Yes. ....	1,000		1,000 841
No. ....	8	3	June 1	June 4, 1885	3	Yes. ....	240		250 842
No. ....	1	3	June 15	June 18, 1885	3	Yes. ....	800		300 843
No. ....	1	2	June 15	June 17, 1885	2	Yes. ....	100		500 844
Yes. ....	2		June 28	July 12, 1885	14	No. ....	1,800		2,500 845
Yes. ....	1	8	July 1	July 9, 1885	8	Yes. ....	15,000	400	20,000 846
No. ....	1	3	July 15	July 18, 1885	3	Yes. ....	900		1,000 847
No. ....	2	3	Sept. 15	Sept. 18, 1885	3	No. ....	1,338		1,200 848
No. ....	9	3	Oct. 1	Oct. 4, 1885	3	No. ....	540		500 849
No. ....	1	2	Oct. 1	Oct. 3, 1885	2	No. ....	120		500 850
No. ....	1	1	Oct. 15	Oct. 16, 1885	1	No. ....	135		500 851
No. ....	1	2	Oct. 15	Oct. 17, 1885	2	No. ....	1,125		1,000 852
Yes. ....	1	15	Nov. 12	Nov. 27, 1885	15	Yes. ....	560		500 853
No. ....	1	1	Jan. 2	Jan. 3, 1885	1	No. ....	1,000		1,000 854
No. ....	1		Nov. 13	Nov. 27, 1885	14	No. ....	4,000		5,000 855

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSES OR OBJECT.
<b>1885—Continued.</b>		
WOODEN GOODS.		
856 Helpers, planing mill .....	Chicago .....	For increase of wages .....
857 Employés, box factory .....	Centralia .....	For increase of wages .....
858 Boxmakers .....	Chicago .....	For increase of wages .....
859 Boxmakers .....	Chicago .....	For increase of wages .....
860 Boxmakers .....	Chicago .....	For discharge of non-union employés .....
861 Boxmakers .....	Chicago .....	For reinstatement of a discharged employé .....
862 Boxmakers .....	Chicago .....	Against introduction of machinery .....
WOOLLEN GOODS.		
863 Weavers .....	Jacksonville .....	Against reduction of wages .....
MISCELLANEOUS.		
864 Ice cutters .....	Alton .....	For increase of wages .....
<b>1886.</b>		
AGRICULTURAL IMPLEMENTS.		
865 Employés, harvester works .....	Chicago .....	For discharge of non-union employés .....
866 Grinders, steel-plow works .....	Moline .....	For increase of wages .....
867 Employés, harvester, etc., w'ks .....	Chicago .....	For increase of wages and reduction of hours .....
BOOTS AND SHOES.		
868 Employés .....	Chicago .....	For reduction of hours .....
869 Employés .....	Chicago .....	For reduction of hours .....
870 Employés .....	Chicago .....	For reduction of hours .....
871 Employés .....	Chicago .....	Against reduction of wages .....
BRICK.		
872 Employés .....	Chicago .....	For reduction of hours .....
873 Employés .....	Chicago .....	For reduction of hours .....
874 Employés .....	Chicago .....	For reduction of hours .....
875 Employés .....	Chicago .....	For reduction of hours .....
876 Employés .....	Chicago .....	For increase of wages .....
877 Cart drivers .....	Chicago .....	For payment of wages overdue .....
BUILDING TRADES.		
878 Carpenters .....	Chicago .....	For reduction of hours and wages .....
879 Steamfitters .....	Chicago .....	For reduction of hours .....
880 Steamfitters .....	Chicago .....	For reduction of hours .....
881 Plumbers and gasfitters .....	Chicago .....	For change of rules .....
882 Plumbers and gasfitters .....	Chicago .....	Against employment of non-union men .....
883 Plumbers and gasfitters .....	Chicago .....	Against employment of non-union men .....
884 Plumbers and gasfitters .....	Chicago .....	For reduction of hours .....
885 Painters .....	Chicago .....	Against increase of hours .....
886 Painters .....	Chicago .....	Against increase of hours .....
887 Painters .....	Chicago .....	Against increase of hours .....
888 Painters .....	Chicago .....	Against increase of hours .....
889 Carpenters .....	Quincy .....	For reduction of hours .....
890 Employés, building contractors .....	Chicago .....	For increase of wages .....
CARRIAGES AND WAGONS.		
891 Employés, children's carriages .....	Chicago .....	For increase of wages or reduction of hours .....
892 Employés, bicycle factory .....	Chicago .....	For reduction of hours .....
893 Employés, children's carriages .....	Chicago .....	For reduction of hours .....
894 Employés .....	Auburn Junction .....	For increase of wages and reduction of hours .....
895 Employés .....	Chicago .....	For reduction of hours .....
896 Employés .....	Chicago .....	For increase of wages .....

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
No.....	1	.....	April 15	April 18, 1885	3	No.....	\$169	.....	856
No.....	1	.....	May 5	May 8, 1885	3	No.....	111	.....	\$1,200 857
Yes.....	1	.....	Sept. 15	Sept. 29, 1885	14	No.....	360	.....	300 858
Yes.....	1	.....	Sept. 15	Sept. 17, 1885	2	Yes.....	180	.....	200 859
Yes.....	1	.....	Nov. 16	Nov. 19, 1885	3	No.....	180	.....	300 860
Yes.....	1	.....	Nov. 16	Nov. 18, 1885	2	No.....	200	.....	200 861
Yes.....	1	.....	Dec. 24	April 1, 1886	97	No.....	33,200	.....	30,000 862
No.....	1	31	Mar.	1 April 1, 1885	31	No.....	3,315	.....	3,000 868
No.....	1	3	Jan.	26 Jan. 26, 1885	3	No.....	2,025	.....	1,000 864
Yes.....	1	.....	Feb. 16	Apr. 1, 1886	44	No.....	101,869	\$1,500	100,000 865
No.....	1	.....	May 2	May 16, 1886	14	Yes.....	1,080	.....	..... 866
No.....	1	2	May	3 May 5, 1886	2	Partly...	13,400	.....	2,000 867
Yes.....	1	11	May	3 May 14, 1886	11	No.....	1,207	.....	1,500 868
Yes.....	3	11	May	3 May 14, 1886	11	No.....	3,175	.....	3,700 869
Yes.....	1	23	May	3 May 25, 1886	23	No.....	2,299	.....	2,000 870
No.....	1	.....	Dec. 10	Dec. 22, 1886	12	Yes.....	825	.....	..... 871
Yes.....	4	.....	April 19	May 17, 1886	28	Partly...	44,026	.....	5,500 872
Yes.....	1	28	April 19	May 17, 1886	28	Partly...	14,400	.....	3,500 873
Yes.....	1	3	April 26	April 29, 1886	3	Yes.....	654	.....	..... 874
Yes.....	35	1	May 3	May 4, 1886	1	Yes.....	1,684	.....	..... 875
Yes.....	1	4	Aug.	6 Aug. 10, 1886	4	Yes.....	544	.....	200 876
No.....	1	.....	Nov. 14	Nov. 15, 1886	1	No.....	68	.....	25 877
Yes.....	60	.....	May 1	May 15, 1886	14	Yes.....	60,000	5,800	100,000 878
Yes.....	1	.....	May 1	July 1, 1886	61	No.....	1,193	.....	..... 879
Yes.....	1	.....	May 3	July 5, 10-4	63	No.....	10,900	4,800	6,000 880
No.....	1	.....	May 3	May 24, 1886	21	No.....	454	240	400 881
Yes.....	1	.....	May 11	May 15, 1886	4	Yes.....	420	.....	50 882
Yes.....	1	9	May 17	May 26, 1886	9	No.....	5,200	.....	8,000 883
Yes.....	1	.....	May 17	May 24, 1886	7	Yes.....	293	.....	50 884
Yes.....	1	.....	May 27	June 10, 1886	14	Yes.....	1,500	.....	1,350 885
Yes.....	1	.....	May 27	June 16, 1886	20	Yes.....	3,960	1,080	1,500 886
Yes.....	1	.....	May 27	June 5, 1886	9	Yes.....	1,100	675	1,000 887
Yes.....	2	.....	May 27	June 1, 1886	5	Yes.....	1,650	1,620	1,300 888
Yes.....	20	34	July 1	Aug. 4, 1886	34	Partly...	5,000	1,500	10,000 889
No.....	1	8	Sept.	4 Sept. 7, 1886	3	No.....	37	.....	200 890
No.....	1	10	April 30	May 10, 1886	10	No.....	1,760	.....	1,000 891
Yes.....	1	3	May 1	May 4, 1886	3	Yes.....	1,013	.....	1,000 892
Yes.....	1	4	May 1	May 5, 1886	4	No.....	800	.....	300 893
Yes.....	1	1	May 3	May 4, 1886	1	No.....	269	.....	..... 894
Yes.....	1	2	May 4	May 6, 1886	2	No.....	350	.....	100 895
No.....	1	1	June 1	June 2, 1886	1	Partly...	436	.....	..... 896



*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1885—Continued.</b>										
WOODEN GOODS.										
856 Helpers, planing mill.....	400		400	400		400	\$1 50		\$1 50	
857 Employés, box factory.....	10	40	50	10	40	50	1 50	\$0 55	1 50	\$0 55
858 Boxmakers.....	45		45	45		45	2 00		2 00	
859 Boxmakers.....	75		75	75		75	2 25		2 50	
860 Boxmakers.....	45		45	45		45	2 00		2 00	
861 Boxmakers.....	75		75	75		75	2 50		2 50	
862 Boxmakers.....	200		200	200		200	2 00		2 00	
WOOLLEN GOODS.										
863 Weavers.....	60	65	125	60	65	125	1 25	80	1 25	80
MISCELLANEOUS.										
864 Ice cutters.....	450		450	450		450	1 50		1 50	
<b>1886.</b>										
AGRICULTURAL IMPLEMENTS.										
865 Employés, harvester works....	1,482		1,482	1,482		1,482	1 90		1 90	
866 Grinders, steel-plow works....	45		45	45		45	2 00		2 25	
867 Employés, harvester, etc., w'ks.	2,300	40	2,340	3,000	55	3,055	3 00	2 50	2 10	1 50
BOOTS AND SHOES.										
868 Employés.....	50	21	71	50	21	71	2 00	1 00	2 00	1 00
869 Employés.....	125	25	150	125	25	150	2 25	1 40	2 25	1 50
870 Employés.....	50	21	71	50	21	71	2 00	1 00	2 00	1 00
871 Employés.....	130	80	210	130	80	210	3 00	1 25	3 00	1 25
BRICK.										
872 Employés.....	588		588	588		588	2 73		2 73	
873 Employés.....	250		250	250		250	2 40		2 40	
874 Employés.....	120		120	120		120	2 73		2 73	
875 Employés.....	919		919	919		919	1 80		1 80	
876 Employés.....	200		200	200		200	2 73		2 77	
877 Cart drivers.....	30		30	30		30	2 25		2 25	
BUILDING TRADES.										
878 Carpenters.....	8,000		8,000	8,000		8,000	2 50		2 00	
879 Steamfitters.....	42		42	42		42	2 25		2 25	
880 Steamfitters.....	150		150	150		150	2 50		2 50	
881 Plumbers and gasfitters.....	8		8	14		14	3 15		3 15	
882 Plumbers and gasfitters.....	50		50	50		50	3 25		3 25	
883 Plumbers and gasfitters.....	200		200	200		200	3 25		3 25	
884 Plumbers and gasfitters.....	15		15	15		15	3 25		3 25	
885 Painters.....	130		100	125		125	2 75		2 75	
886 Painters.....	80		80	100		100	2 75		2 75	
887 Painters.....	50		50	95		95	2 75		2 75	
888 Painters.....	130		130	137		137	2 75		2 75	
889 Carpenters.....	175		175	160		160	1 75		1 75	
890 Employés, building contractors	7		7	7		7	1 75		1 75	
CARRIAGES AND WAGONS.										
891 Employés, children's carriages	125	8	133	122	8	130	1 50	1 00	1 50	1 00
892 Employés, bicycle factory.....	150		150	150		150	2 25		2 00	
893 Employés, children's carriages	100		100	100		100	2 00		2 00	
894 Employés.....	230	20	250	23	20	250	2 25	1 00	2 25	1 00
895 Employés.....	100		10	40		40	1 75		1 75	
896 Employés.....	250		250	250		250	1 40		1 85	

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Brought from other places.	WEEKLY WORKING HOURS.		
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
75	\$0 75	\$0 75	75	.....	75	.....	.....	.....	.....	60	60	856
50	74	74	10	40	50	5	15	20	.....	66	66	857
30	2 00	2 00	30	.....	30	30	.....	30	.....	60	60	858
40	2 25	2 50	40	.....	40	.....	.....	.....	.....	60	60	859
30	2 00	2 00	30	.....	30	30	.....	30	.....	60	60	860
40	2 50	2 50	40	.....	40	.....	.....	.....	.....	60	60	861
200	2 00	2 00	200	.....	200	100	.....	100	.....	60	60	862
30	1 25	1 25	60	65	125	7	8	15	15	66	66	863
100	1 25	1 25	450	.....	450	25	.....	25	25	60	60	864
1,482	1 90	1 90	1,482	.....	1,482	600	.....	600	600	60	60	865
45	2 00	2 25	45	.....	45	.....	.....	.....	.....	60	60	866
2,240	2 99	2 09	2,200	40	2,240	830	15	845	.....	75	48	867
71	1 70	1 70	50	21	71	.....	.....	.....	.....	60	60	868
150	2 13	2 13	125	25	150	.....	.....	.....	.....	60	60	869
71	1 70	1 70	50	21	71	.....	.....	.....	.....	60	60	870
60	1 25	1 25	.....	60	60	.....	.....	.....	.....	60	60	871
458	2 73	2 73	458	.....	458	.....	.....	.....	.....	60	54	872
250	2 40	2 40	250	.....	250	.....	.....	.....	.....	60	54	873
120	2 73	2 73	120	.....	120	.....	.....	.....	.....	60	48	874
919	1 80	1 80	919	.....	919	.....	.....	.....	.....	60	48	875
20	2 00	2 25	200	.....	200	.....	.....	.....	.....	60	60	876
30	2 25	2 25	30	.....	30	15	.....	15	.....	60	60	877
2,000	2 50	2 00	2,000	.....	2,000	500	.....	500	.....	60	48	878
10	2 25	2 25	10	.....	10	.....	.....	.....	.....	60	60	879
80	2 50	2 50	80	.....	80	30	.....	30	.....	60	60	880
8	3 15	3 15	8	.....	8	6	.....	6	.....	48	48	881
30	3 50	3 50	30	.....	30	.....	.....	.....	.....	48	48	882
8	3 25	3 25	200	.....	200	50	.....	50	.....	48	48	883
15	3 25	3 25	15	.....	15	.....	.....	.....	.....	60	48	884
100	2 75	2 75	100	.....	100	25	.....	25	.....	48	48	885
80	2 75	2 75	80	.....	80	20	.....	20	.....	48	48	886
50	2 75	2 75	50	.....	50	45	.....	45	.....	48	48	887
120	2 75	2 75	120	.....	120	17	.....	17	.....	48	48	888
175	1 75	1 75	175	.....	175	75	.....	75	75	60	54	889
7	1 75	1 75	7	.....	7	7	.....	7	.....	60	60	890
133	1 47	1 47	125	8	133	.....	.....	.....	.....	60	60	891
150	2 25	2 00	150	.....	150	.....	.....	.....	.....	60	48	892
100	2 00	2 00	100	.....	100	13	.....	13	.....	60	60	893
250	2 15	2 15	230	20	250	.....	.....	.....	.....	60	60	894
100	1 75	1 75	100	.....	100	6	.....	6	.....	60	60	895
250	1 40	1 35	250	.....	250	.....	.....	.....	.....	48	60	896

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1885—Continued.</b>										
WOODEN GOODS.										
856 Helpers, planing mill.....	400		400	400		400	\$1 50		\$1 50	
857 Employés, box factory.....	10	40	50	10	40	50	1 50	\$0 55	1 50	\$0 55
858 Boxmakers.....	45		45	45		45	2 00		2 00	
859 Boxmakers.....	75		75	75		75	2 25		2 50	
860 Boxmakers.....	45		45	45		45	2 00		2 00	
861 Boxmakers.....	75		75	75		75	2 50		2 50	
862 Boxmakers.....	200		200	200		200	2 00		2 00	
WOOLLEN GOODS.										
863 Weavers.....	60	65	125	60	65	125	1 25	90	1 25	90
MISCELLANEOUS.										
864 Ice cutters.....	450		450	450		450	1 50		1 50	
<b>1886.</b>										
AGRICULTURAL IMPLEMENTS.										
865 Employés, harvester works....	1,482		1,482	1,482		1,482	1 90		1 90	
866 Grinders, steel-plow works....	45		45	45		45	2 00		2 25	
867 Employés, harvester, etc., w'ks.	2,200	40	2,240	2,000	55	2,055	3 00	2 50	2 10	1 50
BOOTS AND SHOES.										
868 Employés.....	50	21	71	50	21	71	2 00	1 00	2 00	1 00
869 Employés.....	125	25	150	125	25	150	2 25	1 40	2 25	1 50
870 Employés.....	50	21	71	50	21	71	2 00	1 00	2 00	1 00
871 Employés.....	130	80	210	130	80	210	3 00	1 25	3 00	1 25
BRICK.										
872 Employés.....	588		588	588		588	2 75		2 75	
873 Employés.....	250		250	250		250	2 40		2 40	
874 Employés.....	120		120	120		120	2 75		2 75	
875 Employés.....	919		919	919		919	1 80		1 80	
876 Employés.....	200		200	200		200	2 75		2 77	
877 Cart drivers.....	30		30	30		30	2 25		2 25	
BUILDING TRADES.										
878 Carpenters.....	8,000		8,000	8,000		8,000	2 50		2 00	
879 Steamfitters.....	42		42	42		42	1 25		2 25	
880 Steamfitters.....	150		150	150		150	2 50		2 50	
881 Plumbers and gasfitters.....	8		8	14		14	3 15		3 15	
882 Plumbers and gasfitters.....	50		50	50		50	3 25		3 25	
883 Plumbers and gasfitters.....	200		200	200		200	3 25		3 25	
884 Plumbers and gasfitters.....	15		15	15		15	3 25		3 25	
885 Painters.....	100		100	125		125	2 75		2 75	
886 Painters.....	80		80	100		100	2 75		2 75	
887 Painters.....	50		50	95		95	2 75		2 75	
888 Painters.....	120		120	137		137	2 75		2 75	
889 Carpenters.....	175		175	160		160	1 75		1 75	
890 Employés, building contractors	7		7	7		7	1 75		1 75	
CARRIAGES AND WAGONS.										
891 Employés, children's carriages	125	8	133	122	8	130	1 50	1 00	1 50	1 00
892 Employés, bicycle factory.....	150		150	150		150	2 25		2 00	
893 Employés, children's carriages	100		100	100		100	2 00		2 00	
894 Employés.....	230	20	250	231	20	250	2 25	1 00	2 25	1 00
895 Employés.....	100		101	40		40	1 75		1 75	
896 Employés.....	250		250	250		250	1 40		1 85	

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Brought from other places.	WEEKLY WORKING HOURS.		
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
75	\$0 75	\$0 75	75	.....	75	.....	.....	.....	.....	60	60	856
50	74	74	10	40	50	5	15	20	.....	66	66	857
30	2 00	2 00	30	.....	30	30	.....	30	.....	60	60	858
40	2 25	2 50	40	.....	40	.....	.....	.....	.....	60	60	859
30	2 00	2 00	30	.....	30	30	.....	30	.....	60	60	860
40	2 50	2 50	40	.....	40	.....	.....	.....	.....	60	60	861
200	2 00	2 00	200	.....	200	100	.....	100	.....	60	60	862
80	1 25	1 25	60	65	125	7	8	15	15	66	66	863
100	1 25	1 25	450	.....	450	25	.....	25	25	60	60	864
1,482	1 90	1 90	1,482	.....	1,482	600	.....	600	600	60	60	865
45	2 00	2 25	45	.....	45	.....	.....	.....	.....	60	60	866
2,240	2 99	2 09	2,200	40	2,240	880	15	845	.....	75	48	867
71	1 70	1 70	50	21	71	.....	.....	.....	.....	60	60	868
150	2 13	2 13	125	25	150	.....	.....	.....	.....	60	60	869
71	1 70	1 70	50	21	71	.....	.....	.....	.....	60	60	870
60	1 25	1 25	.....	60	60	.....	.....	.....	.....	60	60	871
453	2 73	2 73	453	.....	453	.....	.....	.....	.....	60	54	872
250	2 40	2 40	250	.....	250	.....	.....	.....	.....	60	54	873
120	2 73	2 73	120	.....	120	.....	.....	.....	.....	60	48	874
919	1 80	1 80	919	.....	919	.....	.....	.....	.....	60	48	875
30	2 00	2 25	200	.....	200	.....	.....	.....	.....	60	60	876
30	2 25	2 25	30	.....	30	15	.....	15	.....	60	60	877
2,000	2 50	2 00	2,000	.....	2,000	500	.....	500	.....	60	48	878
10	2 25	2 25	10	.....	10	.....	.....	.....	.....	60	60	879
80	2 50	2 50	80	.....	80	30	.....	30	.....	60	60	880
8	3 15	3 15	8	.....	8	6	.....	6	.....	48	48	881
30	3 50	3 50	30	.....	30	.....	.....	.....	.....	48	48	882
8	3 25	3 25	200	.....	200	50	.....	50	.....	48	48	883
15	3 25	3 25	15	.....	15	.....	.....	.....	.....	60	48	884
100	2 75	2 75	100	.....	100	25	.....	25	.....	48	48	885
80	2 75	2 75	80	.....	80	20	.....	20	.....	48	48	886
50	2 75	2 75	50	.....	50	45	.....	45	.....	48	48	887
120	2 75	2 75	120	.....	120	17	.....	17	.....	48	48	888
175	1 75	1 75	175	.....	175	75	.....	75	75	60	54	889
7	1 75	1 75	7	.....	7	7	.....	7	.....	60	60	890
133	1 47	1 47	125	8	133	.....	.....	.....	.....	60	60	891
150	2 25	2 00	150	.....	150	.....	.....	.....	.....	60	48	892
100	2 00	2 00	100	.....	100	13	.....	13	.....	60	60	893
250	2 15	2 15	280	20	250	.....	.....	.....	.....	60	60	894
100	1 75	1 75	100	.....	100	6	.....	6	.....	60	60	895
250	1 40	1 85	250	.....	250	.....	.....	.....	.....	48	60	896

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1886—Continued.</b> <b>CLOTHING.</b>		
897 Tailors .....	Chicago .....	For increase of wages .....
898 Tailors .....	Chicago .....	For increase of wages .....
899 Tailors .....	Springfield .....	Against extra work without extra pay .....
900 Employés, clothing factory .....	Chicago .....	For increase of wages or reduction of hours .....
901 Employés, clothing factory .....	Chicago .....	For reduction of hours .....
902 Cutters, clothing factory .....	Chicago .....	For reduction of hours .....
903 Tailors .....	Chicago .....	For increase of wages .....
904 Coatmakers .....	Chicago .....	For appointment of an arbitrator .....
<b>COOPERAGE.</b>		
905 Employés .....	Chicago .....	For increase of wages .....
906 Employés .....	Chicago .....	For increase of wages .....
907 Employés .....	Chicago .....	For increase of wages .....
908 Coopers, flour barrels .....	Cairo .....	For increase of wages .....
909 Employés .....	Peoria .....	Against reduction of wages .....
910 Employés .....	Peoria .....	Against reduction of wages .....
911 Employés .....	Chicago .....	For increase of wages .....
<b>FOOD PREPARATIONS.</b>		
912 Employés, pork packing .....	Chicago .....	For reduction of hours .....
913 Employés, pork packing .....	Chicago .....	For reduction of hours .....
914 Employés, pork packing .....	Chicago .....	For reduction of hours .....
915 Employés, pork packing .....	Chicago .....	For reduction of hours .....
916 Employés, butterine factory .....	Chicago .....	For reduction of hours .....
917 Loaders, pork packing .....	Chicago .....	Against loading Lakeshore cars .....
918 Employés, pork packing .....	Chicago .....	Against increase of hours .....
919 Employés, pork packing .....	East St. Louis .....	Against increase of hours .....
920 Employés, pork packing .....	Chicago .....	Against increase of hours .....
<b>FURNITURE.</b>		
921 Employés .....	Chicago .....	For discharge of an employé .....
922 Employés .....	Chicago .....	For regular payments .....
923 Employés, billiard table, etc., factory .....	Chicago .....	For increase of wages, reduction of hours, and discharge of a non-union employé .....
924 Employés .....	Chicago .....	For reduction of hours .....
925 Employés, rattan furniture .....	Chicago .....	For increase of wages .....
926 Metal workers, furniture .....	Chicago .....	For increase of wages .....
927 Employés .....	Chicago .....	For reduction of hours .....
928 Employés .....	Chicago .....	For reduction of hours .....
929 Upholsterers .....	Chicago .....	For increase of wages or reduction of hours .....
930 Upholsterers .....	Chicago .....	For reduction of hours .....
931 Upholsterers .....	Chicago .....	For reduction of hours .....
932 Employés .....	Chicago .....	For reduction of hours .....
933 Employés .....	Chicago .....	For reduction of hours .....
934 Employés .....	Chicago .....	For reduction of hours .....
935 Employés .....	Chicago .....	For increase of wages and reduction of hours .....
936 Employés .....	Chicago .....	For reduction of hours .....
937 Employés .....	Chicago .....	For reduction of hours .....
938 Employés .....	Chicago .....	For reduction of hours .....
939 Employés .....	Chicago .....	For reduction of hours .....
940 Employés .....	Chicago .....	For reduction of hours and recogn'n of union .....
941 Employés .....	Chicago .....	For reduction of hours .....
942 Employés .....	Chicago .....	For reduction of hours .....
943 Employés .....	Chicago .....	For reduction of hours .....
944 Employés, rattan furniture .....	Chicago .....	For reduction of hours .....
945 Upholsterers .....	Chicago .....	For reduction of hours .....
946 Employés, billiard tables, etc. .....	Chicago .....	For increase of wages and reduction of hours .....
947 Employés .....	Chicago .....	For increase of wages and reduction of hours .....
948 Employés .....	Chicago .....	For reduction of hours .....
949 Employés .....	Chicago .....	For reduction of hours .....
950 Employés .....	Chicago .....	For reduction of hours .....
951 Employés .....	Chicago .....	For reduction of hours .....

## Strikes by Years and Industries—Continued.

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
Yes. ....	1	.....	Apr.	1 April	11, 1886	10 Yes. ....	\$540	.....	\$300 897
Yes. ....	1	.....	Apr.	5 April	9, 1886	4 Yes. ....	200	.....	100 898
Yes. ....	3	.....	Apr.	6 April	13, 1886	7 No. ....	555	\$148	1,300 899
Yes. ....	36	14	May	1 May	15, 1886	14 Yes. ....	33,104	2,650	29,950 900
Yes. ....	36	14	May	3 May	17, 1886	14 Partly ...	47,412	4,265	54,510 901
Yes. ....	2	4	May	13 May	17, 1886	4 Partly ...	975	375	4,750 902
Yes. ....	1	.....	Sept.	20 Oct.	1, 1886	11 Yes. ....	625	.....	903
Yes. ....	3	.....	Oct.	2 Oct.	3, 1886	1 No. ....	37	.....	45 904
Yes. ....	3	7	Jan.	6 Jan.	13, 1886	7 Yes. ....	1,013	.....	1,013 905
Yes. ....	1	12	May	1 May	13, 1886	12 Yes. ....	3,144	.....	3,000 906
Yes. ....	20	11	May	15 May	26, 1886	11 Partly ...	3,525	.....	3,525 907
No. ....	1	42	June	15 July	27, 1886	42 No. ....	1,342	.....	2,000 908
No. ....	2	21	Oct.	4 Oct.	25, 1886	21 Yes. ....	1,680	.....	675 909
No. ....	2	28	Oct.	4 Nov.	1, 1886	28 Yes. ....	2,200	.....	1,000 910
Yes. ....	20	7	Nov	1 Nov.	13, 1886	12 Yes. ....	6,752	.....	6,752 911
Yes. ....	13	2	May	1 May	3, 1886	2 Yes. ....	26,325	.....	16,635 912
Yes. ....	1	2	May	1 May	3, 1886	2 Yes. ....	500	.....	100 913
Yes. ....	2	3	May	1 May	4, 1886	3 Yes. ....	39,320	.....	65,000 914
Yes. ....	3	2	May	3 May	5, 1886	2 Yes. ....	11,250	.....	10,500 915
Yes. ....	1	7	May	3 May	10, 1886	7 No. ....	540	.....	500 916
Yes. ....	1	.....	Aug.	12 Aug.	15, 1886	3 No. ....	1,300	.....	1,000 917
Yes. ....	16	11	Oct.	9 Oct.	20, 1886	11 No. ....	175,000	.....	262,950 918
No. ....	1	14	Nov.	1 Nov.	15, 1886	14 No. ....	5,880	.....	5,000 919
Yes. ....	19	10	Nov.	6 Nov.	16, 1886	10 No. ....	169,680	.....	215,600 920
Yes. ....	1	79	Feb.	30 May	10, 1886	79 No. ....	14,820	100	10,000 921
Yes. ....	1	7	Feb.	22 Mar.	1, 1886	7 Yes. ....	1,710	.....	1,000 922
Yes. ....	1	.....	April	9 May	14, 1886	25 No. ....	19,500	2,400	20,000 923
Yes. ....	1	48	April	12 May	30, 1886	48 No. ....	18,525	500	5,000 924
Yes. ....	1	.....	April	15 April	18, 1886	3 Partly ...	285	.....	200 925
Yes. ....	1	.....	April	19 April	24, 1886	5 Partly ...	2,400	.....	1,000 926
Yes. ....	1	21	April	27 May	17, 1886	21 No. ....	10,125	.....	2,000 927
Yes. ....	1	7	April	28 May	5, 1886	7 Partly ...	3,001	.....	3,000 928
Yes. ....	1	29	April	28 May	27, 1886	29 No. ....	20,000	700	10,000 929
Yes. ....	15	70	May	1 July	10, 1886	70 No. ....	76,005	4,485	68,000 930
Yes. ....	1	42	May	1 June	12, 1886	42 No. ....	1,134	200	300 931
Yes. ....	17	14	May	1 May	15, 1886	14 Partly ...	35,474	.....	29,100 932
Yes. ....	1	31	May	1 June	1, 1886	31 No. ....	2,925	.....	5,000 933
Yes. ....	1	19	May	1 May	20, 1886	19 No. ....	969	.....	1,200 934
Yes. ....	1	27	May	1 May	28, 1886	27 No. ....	21,850	.....	10,000 935
Yes. ....	1	14	May	1 May	15, 1886	14 No. ....	547	.....	600 936
Yes. ....	1	15	May	1 May	16, 1886	15 No. ....	1,536	.....	1,800 937
Yes. ....	2	17	May	1 May	18, 1886	17 No. ....	1,482	.....	1,700 938
Yes. ....	18	14	May	1 May	15, 1886	14 No. ....	32,280	.....	83,500 939
Yes. ....	1	37	May	1 June	7, 1886	37 No. ....	5,400	.....	4,000 940
Yes. ....	1	16	May	1 May	17, 1886	16 No. ....	6,000	400	5,000 941
Yes. ....	1	3	May	1 May	4, 1886	3 Yes. ....	240	.....	50 942
Yes. ....	3	22	May	1 May	23, 1886	22 No. ....	7,980	.....	9,300 943
Yes. ....	1	14	May	1 May	15, 1886	14 No. ....	810	.....	400 944
Yes. ....	1	31	May	1 June	1, 1886	31 No. ....	2,437	1,640	3,000 945
Yes. ....	1	7	May	1 May	8, 1886	7 No. ....	675	60	6,000 946
Yes. ....	1	2	May	2 May	4, 1886	2 Partly ...	324	.....	300 947
Yes. ....	1	12	May	2 May	14, 1886	12 Partly ...	2,375	.....	2,000 948
Yes. ....	1	11	May	2 May	13, 1886	11 Partly ...	608	.....	700 949
Yes. ....	10	15	May	3 May	18, 1886	15 No. ....	8,062	.....	9,100 950
Yes. ....	1	9	May	3 May	12, 1886	9 No. ....	800	.....	500 951



*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1886—Continued.</b>										
<b>CLOTHING.</b>										
897 Tailors.....	30		30	30		30	\$2 00		\$2 10	
898 Tailors.....	26		26	25		25	2 00		2 10	
899 Tailors.....	37	10	47	30	10	40	2 50	\$1 00	1 75	\$1 00
900 Employés, clothing factory.....	404	1,641	2,045	404	1,641	2,045	2 80	1 00	2 80	1 00
901 Employés, clothing factory.....	1,212	315	1,527	1,212	315	1,527	3 00	1 00	3 00	1 00
902 Cutters, clothing factory.....	75		75	75		75	3 25		3 25	
903 Tailors.....	26		26	30		30	2 50		2 75	
904 Coatmakers.....	11	20	31	10	18	28	2 00	75	2 00	75
<b>COOPERAGE.</b>										
905 Employés.....	75		75	75		75	2 25		2 50	
906 Employés.....	262		262	262		262	1 25		1 50	
907 Employés.....	141		141	141		141	2 50		2 90	
908 Coopers, flour barrels.....	23		23	23		23	1 50		1 50	
909 Employés.....	56		56	56		56	1 67		1 67	
910 Employés.....	55		55	55		55	1 67		1 67	
911 Employés.....	562		562	562		562	1 65		2 00	
<b>FOOD PREPARATIONS.</b>										
912 Employés, pork packing.....	5,245		5,245	5,245		5,245	2 50		2 50	
913 Employés, pork packing.....	100		100	100		100	2 75		2 75	
914 Employés, pork packing.....	4,744	80	4,804	4,744	60	4,804	2 75	1 50	2 75	1 50
915 Employés, pork packing.....	2,250		2,250	2,250		2,250	2 50		2 50	
916 Employés, butterine factory.....	40		40	40		40	2 25		2 25	
917 Loaders, pork packing.....	200		200	200		200	2 00		2 00	
918 Employés, pork packing.....	9,922	60	9,982	9,922	60	9,982	2 00	1 00	2 00	1 00
919 Employés, pork packing.....	260		260	300		300	2 00		2 30	
920 Employés, pork packing.....	10,575	60	10,635	10,575	60	10,635	2 00	1 00	2 00	1 00
<b>FURNITURE.</b>										
921 Employés.....	180		180	180		180	1 90		1 90	
922 Employés.....	150		150	150		150	1 90		1 90	
923 Employés, billiard, table, etc., factory.....	350		350	350		350	2 00		2 00	
924 Employés.....	250		250	250		250	1 90		1 90	
925 Employés, rattan furniture.....	100		100	100		100	1 90		2 00	
926 Metal workers, furniture.....	500		500	500		500	2 00		2 25	
927 Employés.....	375		375	375		375	1 50		1 50	
928 Employés.....	250		250	250		250	2 00		2 00	
929 Upholsterers.....	400		400	400		400	2 00		2 00	
930 Upholsterers.....	563		563	561		561	2 25		2 25	
931 Upholsterers.....	14		14	14		14	2 25		2 25	
932 Employés.....	1,555		1,555	1,555		1,555	1 90		1 90	
933 Employés.....	75		75	75		75	1 50		1 50	
934 Employés.....	30		30	30		30	1 90		1 90	
935 Employés.....	500		500	700		700	1 90		1 90	
936 Employés.....	24		24	24		24	1 90		1 90	
937 Employés.....	70		70	70		70	1 90		1 90	
938 Employés.....	65		65	65		65	1 90		1 90	
939 Employés.....	1,845		1,845	1,845		1,845	2 00		2 00	
940 Employés.....	90		90	90		90	2 00		2 00	
941 Employés.....	250		250	250		250	2 00		2 00	
942 Employés.....	40		40	40		40	2 00		2 00	
943 Employés.....	210		210	210		210	2 00		2 00	
944 Employés, rattan furniture.....	30		30	30		30	2 25		2 25	
945 Upholsterers.....	75		75	75		75	2 25		2 25	
946 Employés, billiard tables, etc.....	50		50	50		50	2 25		2 25	
947 Employés.....	81		81	81		81	2 00		2 00	
948 Employés.....	125		125	125		125	2 00		1 90	
949 Employés.....	30		30	30		30	2 00		2 00	
950 Employés.....	353		353	353		353	1 90		1 90	
951 Employés.....	100		100	100		100	2 00		2 00	

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro'ght from other places.	WEEKLY WORKING HOURS.		
Number.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
30	\$2 00	\$2 10	30	.....	30	.....	.....	.....	.....	60	60	897
25	2 00	2 10	25	.....	25	.....	.....	.....	.....	60	60	898
47	2 50	1 75	37	10	47	5	.....	5	.....	60	60	899
2,045	1 35	1 25	404	1,641	2,045	.....	.....	.....	.....	60	54	900
1,527	2 59	2 59	1,212	315	1,527	.....	.....	.....	.....	60	54	901
75	3 25	3 25	75	.....	75	.....	.....	.....	.....	60	54	902
25	2 50	2 75	25	.....	25	6	.....	5	.....	60	60	903
31	1 20	1 20	11	20	31	10	18	28	.....	60	60	904
75	2 25	2 50	75	.....	75	.....	.....	.....	.....	60	60	905
262	1 25	1 50	262	.....	262	.....	.....	.....	.....	60	60	906
141	2 50	2 90	141	.....	141	.....	.....	.....	.....	60	60	907
28	1 50	1 50	28	.....	28	.....	.....	.....	.....	60	60	908
56	1 67	1 67	56	.....	56	12	.....	12	.....	60	60	909
55	1 67	1 67	55	.....	55	.....	.....	.....	.....	60	60	910
562	1 65	2 00	562	.....	562	.....	.....	.....	.....	55	55	911
5,245	2 50	2 50	5,245	.....	5,245	.....	.....	.....	.....	60	48	912
100	2 75	2 75	100	.....	100	.....	.....	.....	.....	60	48	913
4,804	2 73	2 73	4,744	60	4,804	.....	.....	.....	.....	60	48	914
2,250	2 50	2 50	2,250	.....	2,250	.....	.....	.....	.....	60	48	915
40	2 25	2 25	40	.....	40	.....	.....	.....	.....	60	60	916
200	2 00	2 00	200	.....	200	.....	.....	.....	.....	48	48	917
9,260	2 00	2 00	9,260	.....	9,260	.....	.....	.....	.....	48	60	918
245	2 00	2 20	245	.....	245	55	.....	55	.....	54	60	919
9,260	2 00	2 00	10,575	60	10,635	.....	.....	.....	.....	48	60	920
130	1 90	1 90	130	.....	130	100	.....	100	50	60	54	921
150	1 90	1 90	150	.....	150	.....	.....	.....	.....	60	60	922
325	2 00	2 00	325	.....	325	100	.....	100	10	60	60	923
250	1 90	1 90	250	.....	250	20	.....	20	.....	60	60	924
50	1 90	2 00	50	.....	50	.....	.....	.....	.....	60	60	925
300	2 00	2 25	300	.....	300	.....	.....	.....	.....	60	60	926
375	1 50	1 50	375	.....	375	.....	.....	.....	.....	60	60	927
250	2 00	2 00	250	.....	250	.....	.....	.....	.....	60	54	928
400	2 00	2 00	400	.....	400	.....	.....	.....	.....	60	60	929
563	2 25	2 25	563	.....	563	450	.....	450	320	60	60	930
14	2 25	2 25	14	.....	14	.....	.....	.....	.....	60	60	931
1,565	1 90	1 90	1,565	.....	1,565	.....	.....	.....	.....	60	54	932
75	1 50	1 50	75	.....	75	.....	.....	.....	.....	60	60	933
30	1 90	1 90	30	.....	30	.....	.....	.....	.....	60	60	934
500	1 90	1 90	500	.....	500	200	.....	200	.....	60	60	935
24	1 90	1 90	24	.....	24	.....	.....	.....	.....	60	60	936
70	1 90	1 90	70	.....	70	.....	.....	.....	.....	60	60	937
65	1 90	1 90	65	.....	65	.....	.....	.....	.....	60	60	938
1,845	2 00	2 00	1,845	.....	1,845	.....	.....	.....	.....	60	60	939
90	2 00	2 00	90	.....	90	80	.....	80	40	60	60	940
250	2 00	2 00	250	.....	250	25	.....	25	.....	60	60	941
40	2 00	2 00	40	.....	40	.....	.....	.....	.....	60	48	942
210	2 00	2 00	210	.....	210	.....	.....	.....	.....	60	60	943
30	2 25	2 25	30	.....	30	.....	.....	.....	.....	60	60	944
75	2 25	2 25	75	.....	75	30	.....	30	.....	60	60	945
50	2 25	2 25	50	.....	50	25	.....	25	10	60	60	946
81	2 00	2 00	81	.....	81	.....	.....	.....	.....	60	54	947
125	2 00	1 90	125	.....	125	.....	.....	.....	.....	60	54	948
30	2 00	2 00	30	.....	30	.....	.....	.....	.....	60	54	949
353	1 90	1 90	353	.....	353	.....	.....	.....	.....	60	60	950
50	2 00	2 00	50	.....	50	.....	.....	.....	.....	60	60	951



*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1886—Continued.</b>		
<b>FURNITURE—Concluded.</b>		
952 Employees .....	Chicago .....	For reduction of hours .....
953 Employees .....	Chicago .....	For reduction of hours .....
954 Employees .....	Chicago .....	For reduction of hours .....
955 Upholsterers .....	Chicago .....	For reduction of hours .....
956 Employees, wire mattress fac'try .....	Chicago .....	For reduction of hours .....
957 Employees .....	Chicago .....	For reduction of hours .....
958 Employees .....	Chicago .....	For reduction of hours .....
959 Employees .....	Chicago .....	For reduction of hours .....
<b>GAS AND COKE.</b>		
960 Laborers, gas house .....	Chicago .....	For reduction of hours .....
961 Laborers, gas house .....	Chicago .....	For reduction of hours .....
962 Employees, gas house .....	Lake .....	For reduction of hours .....
<b>LEATHER AND LEATHER GOODS.</b>		
963 Tanners and curriers .....	Chicago .....	For reduction of hours .....
<b>LUMBER.</b>		
964 Lumber shovers .....	Chicago .....	For increase of wages and reduction of hours .....
965 Lumber shovers .....	Chicago .....	For increase of wages .....
<b>MACHINES AND MACHINERY.</b>		
966 Molders, machine shop .....	Quincy .....	For adoption of association rules .....
967 Employees, machine shop .....	Chicago .....	For reduction of hours .....
968 Employees, machine shop .....	Chicago .....	For reduction of hours .....
969 Employees, machine shop .....	Chicago .....	For reduction of hours .....
970 Employees, machine shop .....	Chicago .....	For reduction of hours .....
971 Employees, machine shop .....	Chicago .....	For reduction of hours .....
972 Employees, machine shop .....	Chicago .....	For reduction of hours .....
973 Employees, machine shop .....	Chicago .....	For reduction of hours .....
974 Boilermakers .....	Chicago .....	For reduction of hours .....
975 Boilermakers .....	Chicago .....	For reduction of hours .....
976 Boilermakers .....	Chicago .....	For reduction of hours .....
977 Boilermakers .....	Chicago .....	For reduction of hours .....
978 Boilermakers .....	Chicago .....	For reduction of hours .....
979 Employees, machine and boiler shop .....	Chicago .....	For reduction of hours .....
980 Employees, machine and boiler shop .....	Chicago .....	For reduction of hours .....
981 Employees, safe and lock works .....	Chicago .....	For reduction of hours .....
982 Employees, sewing-machine factory .....	Chicago .....	For reduction of hours .....
983 Employees, steam-heating apparatus company .....	Chicago .....	For reduction of hours .....
984 Employees, steam-heating apparatus company .....	Chicago .....	For reduction of hours .....
985 Foundrymen, elevator works .....	Chicago .....	For reduction of hours .....
986 Boilermakers .....	Chicago .....	For reduction of hours .....
987 Employees, machine shop .....	Chicago .....	For reduction of hours .....
988 Employees, vapor stove, etc., works .....	Chicago .....	For reduction of hours .....
989 Machinists .....	Chicago .....	For reduction of hours .....
990 Employees, machine shop .....	Chicago .....	For reduction of hours .....
991 Employees, safe and lock works .....	Chicago .....	For reduction of hours .....
992 Employees, machine shop .....	Chicago .....	For reduction of hours .....
993 Employees, machine shop .....	Chicago .....	For reduction of hours .....
994 Employees, machine shop .....	Chicago .....	Against increase of hours .....
<b>METALS AND METALLIC GOODS.</b>		
995 Feeders, nail works .....	Centralla .....	Against discharge of an employé .....
996 Employees, iron works .....	Chicago .....	For increase of wages .....

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
Yes .....	1	14 May	8 May	17, 1886	14	No .....	\$840		\$500 952
Yes .....	1	12 May	8 May	15, 1886	12	No .....	980		1,000 963
Yes .....	9	10 May	8 May	18, 1886	10	Yes .....	5,504		2,525 954
Yes .....	1	14 May	8 May	17, 1886	14	No .....	270		50 955
Yes .....	1	21 May	8 May	24, 1886	21	No .....	2,678		2,000 956
Yes .....	1	10 May	5 May	15, 1886	10	Partly ..	1,710		2,000 957
Yes .....	1	7 May	5 May	12, 1886	7	Partly ..	1,710		1,600 958
Yes .....	1	7 May	10 May	17, 1886	7	Partly ..	3,000		6,001 959
No .....	1	..... May	8 May	7, 1886	4	Yes .....	2,000		1,500 960
No .....	1	..... May	8 May	10, 1886	7	Partly ..	222		200 961
No .....	1	..... May	3 May	24, 1886	21	No .....	1,620		500 962
Yes .....	1	3 May	3 May	6, 1886	3	Yes .....	168		50 963
Yes .....	150	15 May	10 May	25, 1886	15	No .....	270,000	\$150	200,000 964
Yes .....	1	2 Sept.	16 Sept.	18, 1886	2	Partly ..	96		500 965
Yes .....	1	2 April	28 April	30, 1886	2	Yes .....	266		..... 966
Yes .....	1	3 May	1 May	16, 1886	15	No .....	2,550		400 967
Yes .....	1	..... May	1 May	11, 1886	10	No .....	1 100		350 968
Yes .....	1	16 May	1 May	17, 1886	16	No .....	2,399		1,000 969
Yes .....	1	19 May	1 May	20, 1886	19	No .....	15,000		5,000 970
Yes .....	2	14 May	1 May	15, 1886	14	No .....	2,430		1,600 971
Yes .....	1	3 May	1 May	15, 1886	14	No .....	2,240		500 972
Yes .....	1	8 May	1 May	4, 1886	3	No .....	560		..... 973
Yes .....	1	35 May	1 June	5, 1886	35	No .....	3,000		2,000 974
Yes .....	1	2 May	1 May	3, 1886	2	No .....	290		..... 975
Yes .....	1	..... May	1 May	18, 1886	17	No .....	810		500 976
Yes .....	1	..... May	1 June	1, 1886	30	No .....	936		560 977
Yes .....	1	..... May	1 May	15, 1886	14	No .....	400		500 978
Yes .....	1	2 May	1 May	3, 1886	2	Yes .....	160		100 979
Yes .....	1	21 May	1 May	23, 1886	21	No .....	6,750		2,000 980
Yes .....	1	14 May	1 May	15, 1886	14	No .....	3,341		12,000 981
Yes .....	1	15 May	1 May	16, 1886	15	No .....	3,900		1,000 982
Yes .....	1	..... May	1 Aug.	1, 1886	91	No .....	20,000		1,000 983
Yes .....	1	..... May	1 July	1, 1886	60	No .....	6,240		5,000 984
Yes .....	1	10 May	1 May	18, 1886	17	No .....	1,080		250 985
Yes .....	1	12 May	3 May	15, 1886	12	No .....	750		500 986
Yes .....	1	..... May	3 May	15, 1886	12	No .....	1,000		800 987
Yes .....	1	2 May	3 May	5, 1886	2	Partly ..	363		8,000 988
Yes .....	1	..... May	3 May	5, 1886	2	No .....	25		..... 989
Yes .....	1	..... May	5 May	9, 1886	4	No .....	96		..... 990
Yes .....	1	18 May	5 May	23, 1886	18	No .....	5,600		7,500 991
Yes .....	1	1 May	10 May	11, 1886	1	No .....	25		..... 992
Yes .....	1	7 May	11 May	20, 1886	9	No .....	1,895		1,000 993
Yes .....	1	3 May	20 May	23, 1886	3	No .....	36		..... 994
No .....	1	..... Feb.	16 Feb.	18, 1886	2	No .....	175		200 995
No .....	1	..... Mar.	8 Mar.	9, 1886	1	Yes .....	83		..... 996

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1886—Continued.</b>										
<b>FURNITURE—Concluded.</b>										
952 Employés .....	85		85	80		80	\$2 00		\$2 00	
953 Employés .....	40		40	40		40	2 00		2 00	
954 Employés .....	344		344	344		344	2 00		2 00	
955 Upholsterers .....	10		10	10		10	2 25		2 25	
956 Employés, wire mattress fact'ry	75	25	100	75	25	100	1 65	\$1 00	1 65	\$1 00
957 Employés .....	100		100	100		100	1 90		1 90	
958 Employés .....	150		150	150		150	1 90		1 90	
959 Employés .....	250		250	200		200	2 00		2 00	
<b>GAS AND COKE.</b>										
960 Laborers, gas house .....	350		350	400		400	1 60		1 60	
961 Laborers, gas house .....	20		20	20		20	1 85		1 85	
962 Employés, gas house .....	50		50	65		65	1 80		1 80	
<b>LEATHER AND LEATHER GOODS.</b>										
963 Tanners and curriers .....	28		28	28		28	2 00		2 00	
<b>LUMBER.</b>										
964 Lumber shovers .....	12,000		12,000	12,000		12,000	1 50		1 50	
965 Lumber shovers .....	16		16	16		16	3 00		3 50	
<b>MACHINES AND MACHINERY.</b>										
966 Moulders, machine shop .....	70		70	70		70	1 90		1 90	
967 Employés, machine shop .....	125		125	115		115	2 00		2 00	
968 Employés, machine shop .....	125		125	125		125	2 08		2 08	
969 Employés, machine shop .....	82		82	82		82	2 25		2 25	
970 Employés, machine shop .....	425		425	430		430	2 25		2 25	
971 Employés, machine shop .....	90		90	80		80	2 25		2 25	
972 Employés, machine shop .....	76		76	76		76	2 50		2 50	
973 Employés, machine shop .....	100		100	100		100	2 80		2 80	
974 Boilermakers .....	50		50	50		50	2 00		2 00	
975 Boilermakers .....	28		28	28		28	2 25		2 25	
976 Boilermakers .....	50		50	50		50	2 25		2 25	
977 Boilermakers .....	15		15	15		15	2 40		2 40	
978 Boilermakers .....	24		24	24		24	2 80		2 80	
979 Employés, machine and boiler shop .....	40		40	40		40	2 00		2 00	
980 Employés, machine and boiler shop .....	150		150	150		150	2 50		2 50	
981 Employés, safe and lock works .....	159		159	155		155	2 10		2 10	
982 Employés, sewing-machine factory .....	150		150	150		150	2 00		2 00	
983 Employés, steam-heating apparatus company .....	110		110	100		100	2 75		2 75	
984 Employés, steam-heating apparatus company .....	115		115	115		115	3 00		2 00	
985 Foundrymen, elevator works .....	32		32	30		30	2 25		2 25	
986 Boilermakers .....	50		50	50		50	2 50		2 50	
987 Employés, machine shop .....	75		75	75		75	2 50		2 50	
988 Employés, vapor stove, etc., works .....	145		145	145		145	2 50		2 00	
989 Machinists .....	5		5	5		5	50		2 50	
990 Employés, machine shop .....	20		20	18		18	2 50		2 50	
991 Employés, safe and lock works .....	175		175	175		175	2 00		2 00	
992 Employés, machine shop .....	10		10	10		10	2 50		2 50	
993 Employés, machine shop .....	90		90	90		90	2 25		2 25	
994 Employés, machine shop .....	7		7	7		7	2 00		2 50	
<b>METALS AND METALLIC GOODS.</b>										
995 Feeders, nail works .....	125		125	125		125	1 75		1 75	
996 Employés, iron works .....	800		800	800		800	1 65		1 75	

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Brought from other places.	WEEKLY WORKING HOURS.		
Number.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
	Before.	After.										
35	\$2 00	\$2 00	35		35	15		15		60	60	952
40	2 00	2 00	40		40					60	60	953
344	2 00	2 00	344		344					60	48	954
10	2 25	2 25	10		10					60	60	955
100	1 49	1 49	75	25	100	15		15		60	60	956
100	1 90	1 90	100		100					60	54	957
150	1 90	1 90	150		150					60	54	958
250	2 00	2 00	250		250					60	54	959
350	1 60	1 60	350		350	300		300		60	48	960
20	1 85	1 85	20		20					60	56	961
50	1 80	1 80	50		50	40		40		60	60	962
28	2 00	2 00	28		28					60	54	963
8,000	1 50	1 50	12,000		12,000					60	60	964
16	3 00	3 50	16		16					60	60	965
15	2 50	2 50	70		70					60	60	966
125	2 00	2 00	125		125	60		60		60	60	967
90	2 08	2 08	90		90	10		10		60	60	968
82	2 25	2 25	82		82					60	60	969
425	2 25	2 25	425		425	5		5		60	60	970
90	2 25	2 25	90		90	15		15		60	60	971
78	2 50	2 50	78		78					60	60	972
100	2 80	2 80	100		100					60	60	973
50	2 00	2 00	50		50					60	60	974
28	2 25	2 25	28		28					60	60	975
30	2 25	2 25	30		30					60	60	976
15	2 40	2 40	15		15					60	60	977
12	2 80	2 80	12		12	6		6		59	59	978
40	2 00	2 00	40		40					60	48	979
150	2 50	2 50	150		150					60	60	980
159	2 10	2 10	159		159	10		10		60	60	981
150	2 00	2 00	150		150					60	60	982
108	2 75	2 75	108		108	30		30		60	60	983
60	2 00	2 00	60		60	10		10		60	60	984
32	2 25	2 25	32		32	10		10		60	60	985
50	2 50	2 50	50		50					60	60	986
40	2 50	2 50	40		40					60	60	987
145	2 50	2 00	145		1 45					60	48	988
5	2 50	2 50	5		5	1		1		60	60	989
11	2 50	2 50	11		11					60	60	990
175	2 00	2 00	175		175					60	60	991
10	2 50	2 50	10		10					60	60	992
90	2 25	2 25	90		90					60	60	993
6	2 00	2 50	6		6					48	60	994
50	1 75	1 75	50		50	4		4		60	60	995
100	1 30	1 40	100		100					60	60	996

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1886—Continued.</b>		
<b>METALS AND METALLIC GOODS</b>		
—Concluded.		
997 Employés, iron works.....	East St. Louis.....	Against employment of non-union men.....
998 Moulders, stove foundry.....	Chicago.....	For increase of wages.....
999 Employés, iron forge works.....	Chicago.....	For increase of wages.....
1000 Employés, wire works.....	Chicago.....	For reduct'n of hours and disch'ge of forem'n
1001 Employés, brass and iron w'ks.....	Chicago.....	For increase of wages and reduction of hours
1002 Employés, cornice, etc., factory.....	Chicago.....	For reduction of hours.....
1003 Rollers, steel works.....	Chicago.....	For increase of wages.....
1004 Coppersmiths.....	Chicago.....	For reduction of hours.....
1005 Employés, brass and iron w'ks.....	Chicago.....	In sympathy with strike elsewhere.....
1006 Employés, architectural, etc., iron works.....	Chicago.....	For reduction of hours.....
1007 Employés, barbed wire works.....	Chicago.....	For reduction of hours.....
1008 Employés, barbed wire works.....	Chicago.....	For reduction of hours.....
1009 Employés, brass and iron w'ks.....	Chicago.....	For reduction of hours.....
1010 Employés, brass and iron w'ks.....	Chicago.....	For reduction of hours.....
1011 Employés, brass foundry.....	Chicago.....	For reduction of hours.....
1012 Employés, brass foundry.....	Chicago.....	For reduction of hours.....
1013 Employés, brass foundry.....	Chicago.....	For reduction of hours.....
1014 Employés, brass works.....	Chicago.....	For reduction of hours.....
1015 Employés, cutlery works.....	Chicago.....	For reduction of hours.....
1016 Employés, gas fixtures factory.....	Chicago.....	For reduction of hours.....
1017 Employés, hardware factory.....	Chicago.....	For reduction of hours.....
1018 Employés, iron and steel w'ks.....	Cummings.....	Against employment of non-union men.....
1019 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1020 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1021 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1022 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1023 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1024 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1025 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1026 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1027 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1028 Employés, iron works.....	Chicago.....	For reduction of hours.....
1029 Employés, iron works.....	Chicago.....	For reduction of hours.....
1030 Employés, smelting, etc., w'ks.....	Chicago.....	For reduction of hours.....
1031 Employés, steel works.....	Chicago.....	For reduction of hours.....
1032 Employés, stove foundry.....	Chicago.....	For reduction of hours.....
1033 Metal splinters, brass works.....	Chicago.....	For reduction of hours.....
1034 Employés, hardware factory.....	Chicago.....	For reduction of hours.....
1035 Employés, screw works.....	Chicago.....	For reduction of hours.....
1036 Employés, stove foundry.....	Chicago.....	For reduction of hours.....
1037 Employés, stove foundry.....	Chicago.....	For reduction of hours.....
1038 Nickel platers.....	Chicago.....	For reduction of hours.....
1039 Employés, brass foundry.....	Chicago.....	For reduction of hours.....
1040 Employés, brass works.....	Chicago.....	In sympathy with strike elsewhere.....
1041 Employés, iron works.....	Chicago.....	For reduction of hours.....
1042 Employés, tin, etc., works.....	Chicago.....	For reduction of hours.....
1043 Burnishers, hardware factory.....	Chicago.....	For increase of wages.....
1044 Employés, iron bridgebuilding works.....	Chicago.....	For reduction of hours.....
1045 Employés, iron bridgebuilding works.....	Chicago.....	For reduction of hours.....
1046 Employés, brass and iron w'ks.....	Chicago.....	For reduction of hours.....
1047 Employés, barbed wire works.....	Chicago.....	For reduction of hours.....
1048 Employés, iron foundry.....	Chicago.....	For reduction of hours.....
1049 Employés, cornice, etc., factory.....	Chicago.....	For reduction of hours.....
1050 Employés, architectural, etc., iron works.....	Chicago.....	For increase of wages.....
1051 Employés, architectural, etc., iron works.....	Chicago.....	For reduction of hours.....
1052 Employés, architectural, iron and wire works.....	Chicago.....	For reduction of hours.....
1053 Employ's, iron forge works.....	Chicago.....	For reduction of hours.....
1054 Employés, iron foundry.....	Chicago.....	For increase of wages.....
1055 Nickel platers.....	Chicago.....	For reduction of hours.....

*Strikes by Years and Industries—Continued.*

Ordered by labor organi- zation.	ESTABLISH- MENTS.		Begin- ning.	End.	Duration (Days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.		
	Num- ber.	Days closed.					Loss.	Assist- ance.			
Yes.....	1	22	Mar.	26	April 17, 1886	22	Yes.....	\$17,000	\$5,000	\$30,000	997
No.....	1	3	Mar.	29	April 1, 1886	8	No.....	2,625		300	998
No.....	1	10	April	22	May 2, 1886	10	Partly ..	2,250		1,000	999
Yes.....	1	35	April	25	June 1, 1886	35	No.....	6,150		3,500	1000
No.....	1	17	April	28	May 16, 1886	17	No.....	18,970		50,000	1001
Yes.....	1	.....	April	30	May 30, 1886	21	No.....	575	50	2,000	1002
No.....	1	3	April	30	May 3, 1886	3	No.....	400		1,000	1003
Yes.....	1	.....	May	1	May 24, 1886	23	No.....	203		100	1004
Yes.....	1	4	May	1	May 5, 1886	4	No.....	439			1005
Yes.....	1	21	May	1	May 22, 1886	21	No.....	4,725		3,500	1006
Yes.....	1	42	May	1	June 13, 1886	42	No.....	5,049		10,000	1007
Yes.....	1	17	May	1	May 18, 1886	17	No.....	1,680			1008
Yes.....	1	10	May	1	May 11, 1886	10	Partly ..	8,000		3,000	1009
Yes.....	1	16	May	1	May 17, 1886	16	Partly ..	25,000		10,000	1010
Yes.....	1	7	May	1	May 8, 1886	7	Yes.....	675		1,000	1011
Yes.....	1	4	May	1	May 5, 1886	4	No.....	210			1012
Yes.....	1	9	May	1	May 10, 1886	9	Partly ..	504		500	1013
Yes.....	1	.....	May	1	Aug. 1, 1886	92	No.....	2,000		800	1014
Yes.....	1	16	May	1	June 30, 1886	60	No.....	7,850		5,000	1015
Yes.....	1	7	May	1	May 8, 1886	7	Partly ..	288		500	1016
Yes.....	1	15	May	1	May 16, 1886	15	Partly ..	520		100	1017
Yes.....	1	114	May	1	Aug. 23, 1886	114	No.....	187,500	2,000	100,000	1018
Yes.....	1	4	May	1	May 5, 1886	4	Yes.....	432		100	1019
Yes.....	2	15	May	1	May 16, 1886	15	No.....	2,078		600	1020
Yes.....	1	7	May	1	May 8, 1886	7	Partly ..	675		2,000	1021
Yes.....	1	7	May	1	May 15, 1886	14	No.....	1,024		1,030	1022
Yes.....	2	14	May	1	May 15, 1886	14	No.....	1,431		1,000	1023
Yes.....	3	15	May	1	May 16, 1886	15	No.....	5,294		8,500	1024
Yes.....	1	9	May	1	May 10, 1886	9	No.....	580		800	1025
Yes.....	1	16	May	1	May 17, 1886	16	No.....	1,400		1,000	1026
Yes.....	1	17	May	1	May 18, 1886	17	No.....	1,125		500	1027
Yes.....	1	2	May	1	May 3, 1886	2	Partly ..	80			1028
Yes.....	1	14	May	1	May 15, 1886	14	No.....	4,500		1,000	1029
Yes.....	1	12	May	1	May 13, 1886	12	No.....	3,250		2,500	1030
Yes.....	1	4	May	1	May 5, 1886	4	No.....	700		1,500	1031
Yes.....	1	2	May	1	May 3, 1886	2	Partly ..	122			1032
Yes.....	1	2	May	1	May 3, 1886	2	Yes.....	113			1033
Yes.....	1	15	May	3	May 18, 1886	15	No.....	676		300	1034
Yes.....	1	.....	May	3	May 17, 1886	14	No.....	1,060		1,000	1035
Yes.....	1	10	May	3	May 13, 1886	10	No.....	860			1036
Yes.....	1	14	May	3	May 17, 1886	14	No.....	3,000		400	1037
Yes.....	1	8	May	3	May 6, 1886	3	Yes.....	1,068		1,000	1038
Yes.....	1	.....	May	4	May 6, 1886	3	Yes.....	21		10	1039
Yes.....	1	.....	May	4	May 8, 1886	4	No.....	160			1040
Yes.....	1	.....	May	4	May 13, 1886	14	No.....	2,295		300	1041
Yes.....	1	5	May	4	May 9, 1886	5	No.....	2,125		10,000	1042
No.....	1	4	May	5	May 9, 1886	4	Partly ..	222		200	1043
No.....	1	21	May	5	May 26, 1886	21	No.....	2,250			1044
Yes.....	1	8	May	5	May 13, 1886	8	No.....	4,758		5,000	1045
Yes.....	1	10	May	6	May 16, 1886	10	No.....	709		600	1046
Yes.....	1	9	May	7	May 16, 1886	9	Yes.....	528		500	1047
Yes.....	1	14	May	8	May 22, 1886	14	No.....	2,250		1,000	1048
Yes.....	25	10	May	10	May 20, 1886	10	No.....	9,574	649	15,350	1049
Yes.....	1	.....	May	10	May 24, 1886	14	Yes.....	750		1,000	1050
Yes.....	1	19	May	10	May 29, 1886	19	No.....	1,440		1,500	1051
Yes.....	1	.....	May	10	May 17, 1886	7	No.....	525			1052
Yes.....	1	.....	May	10	May 13, 1886	3	Yes.....	164			1053
Yes.....	1	7	May	10	May 17, 1886	7	Yes.....	2-8		500	1054
Yes.....	1	19	May	10	May 29, 1886	19	No.....	720		500	1055

# Strikes by Years and Industries—Continued.

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1886—Continued.</b>										
<b>METALS AND METALLIC GOODS</b>										
—Concluded.										
997 Employes, iron works .....	535		535	535		535	\$1 75		\$1 75	
998 Moulders, stove foundry .....	350		350	350		350	2 50		2 50	
999 Employes, iron forge works .....	100		100	100		100	3 25		3 40	
1000 Employes, wire works .....	100	5	105	100	5	105	2 00	\$1 00	2 00	\$1 00
1001 Employes, brass and iron works .....	760	25	785	760	25	785	1 75	1 00	1 75	1 00
1002 Employes, cornice, etc., works .....	25		25	25		25	2 25		2 25	
1003 Rollers, steel works .....	80		80	80		80	1 60		1 60	
1004 Copper-smiths .....	8		8	8		8	2 25		2 25	
1005 Employes, brass and iron works .....	65		65	65		65	2 25		2 25	
1006 Emp.-oys, architectural, etc., iron works .....	125		125	125		125	2 10		2 10	
1007 Employes, barbed wire works .....	85		85	85		85	1 65		1 50	
1008 Employes, barbed wire works .....	80		80	80		80	2 00		2 00	
1009 Employes, brass and iron works .....	375	25	400	375	25	400	2 25	1 00	2 25	1 00
1010 Employes, brass and iron works .....	984	70	1,054	800	66	866	2 00	1 00	2 20	1 10
1011 Employes, brass foundry .....	45		45	45		45	2 50		2 50	
1012 Employes, brass foundry .....	20	6	26	20	6	26	2 25	1 25	2 50	1 25
1013 Employes, brass foundry .....	35	5	40	35	5	40	2 25	1 00	2 25	1 10
1014 Employes, brass works .....	35		35	35		35	1 70		1 70	
1015 Employes, cutlery works .....	225		225	225		225	1 90		1 90	
1016 Employes, gas-fixtures works .....	24		24	24		24	2 00		1 90	
1017 Employes, hardware factory .....	20		20	20		20	2 00		2 00	
1018 Employes, iron and steel works .....	700		700	500		500	2 25		2 25	
1019 Employes, iron foundry .....	54		54	54		54	2 00		2 00	
1020 Employes, iron foundry .....	83		83	83		83	2 00		2 00	
1021 Employes, iron foundry .....	50		50	50		50	2 25		1 80	
1022 Employes, iron foundry .....	65		65	65		65	2 25		2 25	
1023 Employes, iron foundry .....	54		54	64		65	3 25		2 25	
1024 Employes, iron foundry .....	181		181	181		181	2 25		2 25	
1025 Employes, iron foundry .....	32		32	32		32	2 50		2 50	
1026 Employes, iron foundry .....	40		40	40		40	2 50		2 50	
1027 Employes, iron foundry .....	30		30	25		25	2 50		2 50	
1028 Employes, iron works .....	40		40	40		40	2 25		2 00	
1029 Employes, iron works .....	150		150	150		150	2 50		2 50	
1030 Employes, smelting, etc., works .....	130		130	130		130	2 50		2 50	
1031 Employes, steel works .....	100		100	100		100	1 75		1 75	
1032 Employes, stove foundry .....	54		54	54		54	3 25		3 00	
1033 Metal spinners, brass works .....	50		50	50		50	2 25		2 25	
1034 Employes, hardware factory .....	26		26	26		26	2 00		2 00	
1035 Employes, screw works .....	75		75	75		75	1 75		1 75	
1036 Employes, stove foundry .....	30		30	15		15	2 00		2 00	
1037 Employes, stove foundry .....	130		130	130		130	2 10		2 10	
1038 Nickel platers .....	28		28	10		10	2 00		2 00	
1039 Employes, brass foundry .....	6		6	6		6	1 75		1 75	
1040 Employes, brass works .....	30		30	30		30	1 92		1 92	
1041 Employes, iron works .....	85		85	85		85	2 25		2 25	
1042 Employes, tin, etc., works .....	200	75	275	200	75	275	1 75	1 00	1 75	1 00
1043 Burnishers, hardware factory .....	26	20	45	25	20	45	1 50	90	1 50	90
1044 Employes, iron bridge building works .....	50		50	50		50	2 50		2 50	
1045 Employes, iron bridge building works .....	325		325	325		325	2 25		2 25	
1046 Employes, brass and iron works .....	35		35	35		35	2 25		2 25	
1047 Employes, barbed wire works .....	40		40	40		40	1 65		1 65	
1048 Employes, iron foundry .....	75		75	50		50	2 50		2 50	
1049 Employes, cornice, etc., factory .....	495		495	497		497	2 32		2 32	
1050 Employes, architectural, etc., iron works .....	25		25	25		25	2 00		2 50	
1051 Employes, architectural, etc., iron works .....	60		60	45		45	2 00		2 00	
1052 Employes, architectural iron and wire works .....	50		50	50		50	1 75		1 75	
1053 Employes, iron forge works .....	28		28	28		28	2 00		2 00	
1054 Employes, iron foundry .....	30		30	30		30	1 60		2 00	
1055 Nickel platers .....	30		30	30		30	2 00		2 00	

## Strikes by Years and Industries—Continued.

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro'ght from other places.	WEEKLY WORKING HOURS.	
Number.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.
	Before.	After.									
585	\$1 75	\$1 75	585	.....	585	.....	.....	.....	.....	60	60 997
42	2 75	2 75	350	.....	250	.....	.....	.....	.....	60	60 998
100	2 25	2 40	100	.....	100	.....	.....	.....	.....	54	54 999
105	1 95	1 95	100	5	105	40	.....	40	.....	60	60 1000
785	1 73	1 73	780	25	785	.....	.....	.....	.....	60	60 1001
25	2 25	2 25	25	.....	25	.....	.....	.....	.....	60	60 1002
14	2 00	2 00	80	.....	80	14	.....	14	.....	60	60 1003
5	2 25	2 25	5	.....	5	.....	.....	.....	.....	60	60 1004
65	2 25	2 25	65	.....	65	.....	.....	.....	.....	60	60 1005
125	2 10	2 10	125	.....	125	.....	.....	.....	.....	59	59 1006
85	1 65	1 50	85	.....	85	45	.....	45	.....	60	60 1007
80	2 00	2 00	80	.....	80	4	.....	4	.....	60	60 1008
400	2 17	2 17	875	25	400	.....	.....	.....	.....	58	54 1009
1,004	1 95	2 12	984	70	1,004	.....	.....	.....	.....	60	55 1010
45	2 50	2 50	45	.....	45	5	.....	5	.....	60	48 1011
26	2 02	2 23	20	6	26	.....	.....	.....	.....	60	60 1012
40	2 09	2 19	35	5	40	.....	.....	.....	.....	60	55 1013
20	1 70	1 70	20	.....	20	20	.....	20	.....	60	60 1014
225	1 90	1 90	225	.....	225	.....	.....	.....	.....	60	60 1015
24	2 00	1 80	24	.....	24	.....	.....	.....	.....	60	48 1016
20	2 00	2 00	20	.....	20	.....	.....	.....	.....	60	54 1017
700	2 25	2 25	700	.....	700	.....	.....	.....	.....	60	60 1018
54	2 00	2 00	54	.....	54	.....	.....	.....	.....	60	48 1019
83	2 00	2 00	83	.....	83	.....	.....	.....	.....	60	60 1020
50	2 25	1 80	50	.....	50	.....	.....	.....	.....	60	48 1021
65	2 25	2 25	65	.....	65	3	.....	3	.....	60	60 1022
54	2 25	2 25	54	.....	54	20	.....	20	.....	60	60 1023
181	2 25	2 25	181	.....	181	.....	.....	.....	.....	60	60 1024
32	2 50	2 50	32	.....	32	.....	.....	.....	.....	60	60 1025
40	2 50	2 50	40	.....	40	.....	.....	.....	.....	60	60 1026
30	2 50	2 50	30	.....	30	.....	.....	.....	.....	60	60 1027
40	2 25	2 00	40	.....	40	.....	.....	.....	.....	60	48 1028
150	2 50	2 50	150	.....	150	.....	.....	.....	.....	60	60 1029
130	2 50	2 50	130	.....	130	15	.....	15	.....	72	72 1030
100	1 75	1 75	100	.....	100	.....	.....	.....	.....	60	60 1031
54	2 25	2 00	54	.....	54	.....	.....	.....	.....	60	48 1032
50	2 25	2 25	50	.....	50	.....	.....	.....	.....	60	48 1033
26	2 00	2 00	26	.....	26	.....	.....	.....	.....	60	60 1034
50	1 75	1 75	50	.....	50	.....	.....	.....	.....	60	60 1035
20	2 00	2 00	20	.....	20	.....	.....	.....	.....	60	60 1036
120	2 10	2 10	120	.....	120	.....	.....	.....	.....	60	60 1037
28	2 00	2 00	28	.....	28	.....	.....	.....	.....	60	48 1038
6	1 75	1 75	6	.....	6	.....	.....	.....	.....	60	48 1039
20	2 00	2 00	20	.....	20	.....	.....	.....	.....	60	60 1040
85	2 25	2 25	85	.....	85	.....	.....	.....	.....	60	60 1041
275	1 55	1 55	200	75	275	15	.....	15	.....	60	60 1042
15	90	90	25	20	45	.....	.....	.....	.....	60	60 1043
50	2 50	2 50	50	.....	50	.....	.....	.....	.....	60	60 1044
325	2 25	2 25	325	.....	325	.....	.....	.....	.....	60	60 1045
35	2 25	2 25	35	.....	35	20	.....	20	.....	60	60 1046
40	1 65	1 65	40	.....	40	.....	.....	.....	.....	60	48 1047
75	2 50	2 50	75	.....	75	5	.....	5	.....	60	60 1048
495	2 32	2 32	495	.....	495	2	.....	2	.....	60	60 1049
25	2 50	2 50	25	.....	25	.....	.....	.....	.....	48	60 1050
60	2 00	2 00	60	.....	60	20	.....	20	.....	59	59 1051
50	1 75	1 75	50	.....	50	.....	.....	.....	.....	60	60 1052
28	2 00	2 00	28	.....	28	.....	.....	.....	.....	60	48 1053
30	1 60	2 00	30	.....	30	.....	.....	.....	.....	48	60 1054
30	2 00	2 00	30	.....	30	.....	.....	.....	.....	59	59 1055



*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1886—Continued.</b>		
<b>METALS AND METALLIC GOODS</b>		
—Concluded.		
1056 Employés, iron foundry .....	Chicago .....	Against increase of hours .....
1057 Employés, iron foundry .....	Chicago .....	Against increase of hours .....
1058 Employés, copper and brass works .....	Chicago .....	For reduction of hours .....
1059 Moulders, stove foundry .....	Quincy .....	For increase of wages .....
1061 Moulders, stove foundry .....	Belleville .....	For readjustment of wages .....
<b>MINING.</b>		
1061 Miners, etc., coal .....	Mt. Pulaski .....	Against reduction of wages .....
1062 Miners, etc., coal .....	Astland .....	Against reduction of wages .....
1063 Miners, etc., coal .....	St. Johns .....	For increase of wages .....
1064 Miners, etc., coal .....	Lincoln .....	Against overcharge in supplies—powder, tools, etc. ....
1065 Miners, etc., coal .....	Lincoln .....	Against overcharge in supplies—powder, tools, etc. ....
1066 Miners, etc., coal .....	Franklin .....	Against reduction of wages .....
1067 Miners, etc., coal .....	Mattoon .....	For change of screen .....
1068 Miners, etc., coal .....	East St. Louis .....	Against reduction of wages .....
1069 Miners, etc., coal .....	DuQuoin .....	For payment of wages overdue .....
1070 Miners, etc., coal .....	DuQuoin .....	Against reduction of wages .....
1071 Miners, etc., coal .....	St. Johns .....	Against reduction of wages .....
1072 Miners, etc., coal .....	West Belleville .....	In sympathy with strike elsewhere .....
1073 Miners, etc., coal .....	DuQuoin .....	Against reduction of wages .....
1074 Miners, etc., coal .....	Illiana .....	For increase of wages .....
1075 Miners, etc., coal .....	Mapleton .....	For piece instead of day work .....
1076 Miners, etc., coal .....	St. David .....	For increase of wages .....
1077 Miners, etc., coal .....	Grape Creek .....	For increase of wages .....
1078 Miners, etc., coal .....	Niantic .....	For increase of wages .....
1079 Miners, etc., coal .....	Seneca .....	For increase of wages .....
1080 Miners, etc., coal .....	Springfield .....	For increase of wages .....
1081 Miners, etc., coal .....	Riverton .....	Against reduction of wages .....
1082 Miners, etc., coal .....	Springfield .....	Against reduction of wages .....
1083 Miners, etc., coal .....	Nilwood .....	Against reduction of wages and discharge of employés .....
1084 Miners, etc., coal .....	Greenview .....	Against reduction of wages .....
1085 Miners, etc., coal .....	Murphysborough .....	Against reduction of wages .....
1086 Miners, etc., coal .....	DuQuoin .....	For increase of wages .....
1087 Miners, etc., coal .....	St. Johns .....	For increase of wages .....
1088 Miners, etc., coal .....	DuQuoin .....	For increase of wages .....
1089 Miners, etc., coal .....	DuQuoin .....	For payment of wages overdue .....
1090 Miners, etc., coal .....	DuQuoin .....	For increase of wages .....
1091 Miners, etc., coal .....	Murphysborough .....	For increase of wages .....
1092 Miners, etc., coal .....	Belleville .....	For employment of checkweighman .....
1093 Miners, etc., coal .....	Murphysborough .....	For increase of wages .....
1094 Miners, etc., coal .....	Draper .....	For reinstatement of a discharged employée .....
1095 Miners, etc., coal .....	Springfield .....	Against reduction of wages .....
1096 Miners, etc., coal .....	Odin .....	For increase of wages .....
<b>POTTERY, EARTHENWARE, ETC.</b>		
1097 Employés, terra-cotta works .....	Chicago .....	For reduction of hours .....
<b>PRINTING AND PUBLISHING.</b>		
1098 Employés .....	Chicago .....	For reduction of hours .....
<b>PUBLIC WAYS CONSTRUCTION.</b>		
1099 Laborers, railroad .....	Savanna .....	For increase of wages .....
1100 Construction hands, street railway .....	Chicago .....	For reduction of hours .....
1101 Laborers, street viaduct .....	Chicago .....	For increase of wages and reduction of hours .....
1102 Construction hands, railroad .....	Chicago .....	For increase of wages and reduction of hours .....
1103 Section hands, railroad .....	Cairo .....	Against reduction of wages .....

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
Yes .....	1	7	May	12 May	19, 1886	7 No .....	\$270		\$250 1066
Yes .....	1	13	May	12 May	25, 1886	13 No .....	842		2,000 1067
Yes .....	1		May	24 May	31, 1886	7 No .....	45		1068
Yes .....	5	14	July	25 Aug.	8, 1886	14 Yes .....	12,150	\$2,500	2,500 1069
Yes .....	1		Sept.	8 Sept.	13, 1886	5 Yes .....	372		85 1060
Yes .....	1	94	Jan.	2 April	6, 1886	94 No .....	9,000		600 1061
Yes .....	1	16	Jan.	31 Feb.	16, 1886	16 No .....	600		25 1062
Yes .....	1	14	Feb.	1 Feb.	15, 1886	14 No .....	6,300		2,000 1063
Yes .....	1		Feb.	1 Feb.	22, 1886	21 No .....	4,680	200	500 1064
Yes .....	1	10	Feb.	1 Feb.	11, 1886	10 Partly ...	2,430		1,000 1065
Yes .....	1	13	Feb.	3 Feb.	16, 1886	13 No .....	600		25 1066
No .....	2		Feb.	18 Feb.	24, 1886	6 Yes .....	1,300		3,000 1067
No .....	1	22	Mar.	18 April	9, 1886	22 Yes .....	2,552		2,000 1068
No .....	1	11	April	1 April	12, 1886	11 Yes .....	1,860		500 1069
Yes .....	1	7	April	1 April	8, 1886	7 No .....	263		250 1070
Yes .....	1	11	May	1 May	12, 1886	11 Yes .....	5,250		1,500 1071
Yes .....	1	14	May	1 May	15, 1886	14 Yes .....	684		105 1072
No .....	1	14	May	1 May	15, 1886	14 No .....	420		500 1073
Yes .....	1	92	May	1 Aug.	1, 1886	92 No .....	6,563		8,000 1074
Yes .....	1	14	May	1 May	15, 1886	14 No .....	600		50 1075
Yes .....	1	30	May	1 May	31, 1886	30 No .....	4,420		3,000 1076
Yes .....	1	31	May	1 June	1, 1886	31 No .....	14,200	12,000	15,000 1077
Yes .....	1	27	May	14 June	10, 1886	27 No .....	1,215		1,000 1078
Yes .....	1	93	May	15 Aug.	16, 1886	93 Yes .....	2,800	1,300	500 1079
Yes .....	1	67	May	25 Aug.	1, 1886	67 No .....	34,200		3,000 1080
Yes .....	1	79	June	14 Sept.	1, 1886	79 Yes .....	25,000	1,000	6,000 1081
No .....	5	79	June	16 Sept.	3, 1886	79 No .....	44,550	820	26,000 1082
Yes .....	1	52	June	27 Aug.	18, 1886	52 Yes .....	2,179		1,000 1083
No .....	1	34	July	1 Aug.	4, 1886	34 No .....	5,738		2,000 1084
No .....	1	92	July	15 Oct.	15, 1886	92 No .....	36,750		25,000 1085
Yes .....	1	41	Sept.	1 Oct.	12, 1886	41 Yes .....	9,128		2,000 1086
Yes .....	1	35	Sept.	17 Oct.	22, 1886	35 No .....	15,750		5,000 1087
Yes .....	1	7	Oct.	1 Oct.	8, 1886	7 Yes .....	225		250 1088
No .....	1	11	Oct.	1 Oct.	12, 1886	11 No .....	1,350		500 1089
Yes .....	1	7	Oct.	1 Oct.	8, 1886	7 No .....	225		250 1090
No .....	1	7	Oct.	1 Oct.	8, 1886	7 Yes .....	788		1,000 1091
No .....	1	35	Oct.	1 Nov.	5, 1886	35 No .....	2,760		1,500 1092
No .....	1	1	Oct.	1 Oct.	2, 1886	1 No .....	175		200 1093
No .....	1	14	Nov.	15 Nov.	29, 1886	14 No .....	1,060		1,000 1094
No .....	1	26	Dec.	31, 1886		5 Yes .....	840		1095
Yes .....	1		Dec.	27 Jan.	6, 1887	10 No .....	158		200 1096
Yes .....	1	7	May	1 May	8, 1886	7 No .....	3,645		2,000 1097
No .....	1	10	April	20 April	30, 1886	10 Partly ...	375		50 1098
No .....	1		Mar.	15 Mar.	16, 1886	1 No .....	45		1099
Yes .....	1	14	May	1 May	15, 1886	14 No .....	1,800		200 1100
Yes .....	1	14	May	1 May	15, 1886	14 Yes .....	5,400		4,000 1101
No .....	1	10	May	1 May	11, 1886	10 No .....	1,500		500 1102
No .....	1	1	Aug.	7 Aug.	8, 1886	1 Yes .....	14		25 1103

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1886—Continued.</b>										
<b>METALS AND METALLIC GOODS</b>										
—Concluded.										
1056 Employés, iron foundry. ....	20		20	20		20	\$2 25		\$2 25	
1057 Employés, iron foundry. ....	34		34	34		34	2 25		2 25	
1058 Employés, copper and brass works. ....	20		20	20		20	2 50		2 50	
1059 Moulders, stove foundry. ....	450		450	450		450	2 25		2 30	
1060 Moulders, stove foundry. ....	112		112	116		116	1 64		1 67	
<b>MINING.</b>										
1061 Miners, etc., coal. ....	75		75	75		75	2 00		1 90	
1062 Miners, etc., coal. ....	25		25	25		25	2 00		1 90	
1063 Miners, etc., coal. ....	350		350	350		350	1 50		1 50	
1064 Miners, etc., coal. ....	180		180	100		100	2 00		1 75	
1065 Miners, etc., coal. ....	135		135	135		135	2 00		2 00	
1066 Miners, etc., coal. ....	25		25	25		25	2 00		1 90	
1067 Miners, etc., coal. ....	121		121	100		100	2 00		2 00	
1068 Miners, etc., coal. ....	100		100	100		100	1 54		1 54	
1069 Miners, etc., coal. ....	90		90	90		90	1 50		1 50	
1070 Miners, etc., coal. ....	25		25	25		25	1 75		1 50	
1071 Miners, etc., coal. ....	350		350	350		350	1 50		1 50	
1072 Miners, etc., coal. ....	60		60	60		60	1 00		1 60	
1073 Miners, etc., coal. ....	20		20	20		20	1 75		1 50	
1074 Miners, etc., coal. ....	50		50	<sup>a</sup>		<sup>a</sup>	1 75		<sup>a</sup>	
1075 Miners, etc., coal. ....	25		25	25		25	2 00		2 00	
1076 Miners, etc., coal. ....	100		100	100		100	1 70		1 60	
1077 Miners, etc., coal. ....	325		325	300		300	1 75		1 70	
1078 Miners, etc., coal. ....	45		45	45		45	1 50		1 50	
1079 Miners, etc., coal. ....	20		20	31		31	1 75		2 00	
1080 Miners, etc., coal. ....	300		300	300		300	2 00		2 00	
1081 Miners, etc., coal. ....	200		200	200		200	2 00		2 00	
1082 Miners, etc., coal. ....	413		413	405		405	2 00		1 90	
1083 Miners, etc., coal. ....	35		35	35		35	1 55		1 55	
1084 Miners, etc., coal. ....	35		35	35		35	2 40		2 35	
1085 Miners, etc., coal. ....	400		400	400		400	1 75		1 50	
1086 Miners, etc., coal. ....	175		175	175		175	1 75		2 00	
1087 Miners, etc., coal. ....	350		350	350		350	1 50		1 50	
1088 Miners, etc., coal. ....	25		25	25		25	1 50		1 75	
1089 Miners, etc., coal. ....	90		90	90		90	1 50		1 50	
1090 Miners, etc., coal. ....	25		25	25		25	1 50		1 50	
1091 Miners, etc., coal. ....	75		75	75		75	1 75		1 90	
1092 Miners, etc., coal. ....	46		46	40		40	2 00		2 00	
1093 Miners, etc., coal. ....	140		140	140		140	1 75		1 75	
1094 Miners, etc., coal. ....	60		60	45		45	1 75		1 75	
1095 Miners, etc., coal. ....	80		80	75		75	2 00		2 00	
1096 Miners, etc., coal. ....	10		10	10		10	1 75		1 75	
<b>POTTERY, EARTHENWARE, ETC.</b>										
1097 Employés, terra-cotta works. ...	270		270	270		270	2 25		2 25	
<b>PRINTING AND PUBLISHING.</b>										
1098 Employés. ....	75		75	50		50	1 50		1 50	
<b>PUBLIC WORKS CONSTRUCTION.</b>										
1099 Laborers, railroad. ....	300		300	300		300	1 65		1 65	
1100 Construction hands, street railway. ....	100		100	100		100	1 50		1 50	
1101 Laborers, street viaduct. ....	300		300	300		300	1 60		1 75	
1102 Construction hands, railroad. ....	150		150	150		150	1 25		1 25	
1103 Section hands, railroad. ....	40		40	40		40	1 20		1 20	

The mine was closed permanently.

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro't from other places.	WEEKLY WORKING HOURS.	
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.
	Before.	After.									
20	\$2 25	\$2 25	20	.....	20	.....	.....	.....	.....	48	60 1058
34	2 25	2 25	34	.....	34	10	.....	10	.....	48	60 1057
20	2 50	2 50	20	.....	20	.....	.....	.....	.....	60	60 1058
217	3 00	3 30	450	.....	450	.....	.....	.....	.....	60	60 1059
34	2 19	2 38	34	.....	34	4	.....	4	.....	60	60 1060
75	2 00	1 90	75	.....	75	.....	.....	.....	.....	60	60 1061
25	2 00	1 90	25	.....	25	.....	.....	.....	.....	60	60 1062
150	1 50	1 50	350	.....	350	.....	.....	.....	.....	60	60 1063
180	2 00	1 75	180	.....	180	60	.....	60	40	60	60 1064
185	2 00	2 00	185	.....	185	.....	.....	.....	.....	60	60 1065
25	2 00	1 90	25	.....	25	.....	.....	.....	.....	60	60 1066
115	2 00	2 00	115	.....	115	10	.....	10	.....	60	60 1067
87	1 50	1 50	91	.....	91	.....	.....	.....	.....	60	60 1068
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60 1069
25	1 75	1 50	25	.....	25	5	.....	5	.....	60	60 1070
150	1 50	1 50	350	.....	350	.....	.....	.....	.....	60	60 1071
57	1 00	1 60	57	.....	57	.....	.....	.....	.....	42	54 1072
20	1 75	1 50	20	.....	20	.....	.....	.....	.....	60	60 1073
50	1 75	(a)	50	.....	50	.....	.....	.....	.....	60	(a) 60 1074
25	2 00	2 00	25	.....	25	.....	.....	.....	.....	60	60 1075
100	1 70	1 70	100	.....	100	100	.....	100	100	60	60 1076
325	1 75	1 75	325	.....	325	300	.....	300	300	60	60 1077
45	1 50	1 50	45	.....	45	.....	.....	.....	.....	60	60 1078
20	1 75	2 00	20	.....	20	11	.....	11	11	60	60 1079
300	2 00	2 00	300	.....	300	.....	.....	.....	.....	60	60 1080
200	2 00	2 00	200	.....	200	.....	.....	.....	.....	60	60 1081
413	2 00	1 90	413	.....	413	21	.....	21	.....	60	60 1082
35	1 55	1 55	35	.....	35	.....	.....	.....	.....	54	54 1083
85	2 40	2 25	85	.....	85	.....	.....	.....	.....	60	60 1084
400	1 75	1 50	400	.....	400	100	.....	100	75	60	60 1085
175	1 75	2 00	175	.....	175	.....	.....	.....	.....	60	60 1086
150	1 50	1 50	350	.....	350	.....	.....	.....	.....	60	60 1087
25	1 50	1 75	25	.....	25	5	.....	5	.....	60	60 1088
90	1 50	1 50	90	.....	90	10	.....	10	.....	60	60 1089
25	1 50	1 50	25	.....	25	10	.....	10	.....	60	60 1090
75	1 75	1 90	75	.....	75	.....	.....	.....	.....	60	60 1091
46	2 00	2 00	46	.....	46	15	.....	15	.....	60	60 1092
9	1 75	1 75	100	.....	100	9	.....	9	.....	60	60 1093
60	1 75	1 75	60	.....	60	10	.....	10	.....	60	60 1094
60	2 00	2 00	60	.....	60	.....	.....	.....	.....	60	60 1095
10	1 75	1 75	10	.....	10	8	.....	8	.....	60	60 1096
270	2 25	2 25	270	.....	270	25	.....	25	.....	60	60 1097
75	1 50	1 50	75	.....	75	.....	.....	.....	.....	60	59 1098
30	1 50	1 50	30	.....	30	30	.....	30	30	60	60 1099
100	1 50	1 50	100	.....	100	.....	.....	.....	.....	60	60 1100
300	1 50	1 75	300	.....	300	200	.....	200	.....	60	48 1101
150	1 25	1 25	150	.....	150	.....	.....	.....	.....	60	60 1102
40	1 20	1 10	40	.....	40	.....	.....	.....	.....	60	60 1103

(a) The mine was closed permanently.

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSES OR OBJECT.
<b>1886—Continued.</b>		
<b>PUBLIC WORKS CONSTRUCTION.</b>		
1104 Laborers, laying water mains.	East St. Louis.	For reduction of hours.
1105 Laborers, laying gas mains.	Chicago	For reduction of hours.
1106 Laborers, laying water mains.	Cairo	For piece instead of day work.
1107 Laborers, laying sewers	Chicago	For regular payments.
<b>RAILROAD CAR BUILDING.</b>		
1108 Employés, palace-car works	Pullman	For reduction of hours and recognition of union.
1109 Employés, car works	Chicago	For increase of wages and reduction of hours.
<b>ROPE AND BAGGING.</b>		
1110 Employés, twine and bagging factory	Champaign	Against poor quality of material.
<b>RUBBER GOODS.</b>		
1111 Hosemakers.	Chicago	For reduction of hours.
1112 Employés, rubber clothing	Grand Crossing	For regular payments.
<b>SHIPBUILDING, ETC.</b>		
1113 Employés, shipbuilding yard.	Chicago	For reduction of hours and wages.
1114 Employés, shipbuilding yard.	Chicago	For increase of wages and reduction of hours.
<b>STONE QUARRYING AND CUTTING.</b>		
1115 Stonecutters.	Chicago	For reduction of hours and wages.
1116 Laborers, stone cutting yard.	Chicago	For reduction of hours.
1117 Stonecutters.	Quincy	For increase of wages and reduction of hours.
1118 Quarrymen	Lemont	For increase of wages.
1119 Quarrymen	Lemont	Against reduction of wages.
1120 Quarrymen	Lemont	Against reduction of wages.
<b>TOBACCO.</b>		
1121 Cigarmakers	Aurora	Against employment of add'l apprentices.
1122 Cigarmakers	Aurora	For increase of wages.
1123 Cigarmakers	Champaign	For increase of wages.
1124 Cigarmakers	Jacksonville.	Against discharge of foreman.
1125 Cigarmakers	Chicago	For increase of wages.
1126 Cigarmakers	Chicago	For increase of wages.
1127 Cigarmakers	Chicago	For adoption of union scale of prices.
1128 Cigarmakers	Chicago	For adoption of union scale of prices.
1129 Cigarmakers	Chicago	Against reduction of wages.
1130 Cigarmakers	Jacksonville.	For increase of wages.
<b>TRANSPORTATION.</b>		
1131 Yardmen, railroad.	East St. Louis.	For recognition of union.
1132 Employés, elevator.	East St. Louis.	Against employment of non-union men.
1133 Brakemen	Cairo	For increase of wages.
1134 Switchmen	Chicago	For discharge of non-union employés.
1135 Switchmen	Chicago	For discharge of non-union employés.
1136 Freight handlers, railroad	Englewood	For increase of wages.
1137 Laborers and wharf hands	Peoria	For increase of wages.
1138 Freight handlers, railroad	Chicago	For reduction of hours.
1139 Laborers and wharf hands	Chicago	For increase of wages.
1140 Laborers and wharf hands	Chicago	For increase of wages.
1141 Laborers and wharf hands	Chicago	For increase of wages.
1142 Freight handlers, railroad.	Chicago	For increase of wages.
1143 Freight handlers, railroad.	Chicago	For increase of wages.
1144 Freight handlers, railroad.	Chicago	For increase of wages or reduction of hours.
1145 Freight handlers, railroad.	Chicago	For reduction of hours.
1146 Freight handlers, railroad.	Chicago	For increase of wages.

## Strikes by Years and Industries—Continued.

Ordered by labor organization.	ESTABLISHMENTS.		Begin-ning.	End.	Duration (days.)	Succeeded.	EMPLOYEES'—		Employ-ers' loss.	
	Num-ber.	Days closed.					Loss.	Assist-ance.		
Yes.....	1	2	May	1 May	8, 1886	2 Yes.....	\$225		\$300	1104
No.....	1		May	3 May	10, 1886	7 Partly ...	5, 239		1, 500	1105
No.....	1	1	May	15 May	17, 1886	2 Partly ...	135		15	1106
No.....	1	1	Sept.	23 Sept.	24, 1886	1 Yes.....	175		200	1107
Yes.....	1		May	3 May	15, 1886	12 No.....	54, 600		20, 000	1108
No.....	1	7	May	6 May	13, 1886	7 Partly ...	1, 980			1109
No.....	1	2	Oct.	15 Oct.	17, 1886	2 No.....	84		150	1110
No.....	1	3	May	1 May	7, 1886	6 No.....	840		1, 000	1111
No.....	1	14	May	4 May	18, 1886	14 Yes.....	633		500	1112
No.....	1	2	May	1 May	3, 1886	2 No.....	275		750	1113
No.....	1		June	25 July	2, 1886	7 No.....	600		8, 000	1114
Yes.....	1	3	May	1 May	4, 1886	3 Partly ...	420		50	1115
Yes.....	51	7	May	3 May	10, 1886	7 Partly ...	29, 580		23, 835	1116
Yes.....	1	14	June	1 June	15, 1886	14 Partly ...	2, 520		3, 000	1117
Yes.....	1	7	June	21 June	23, 1886	7 No.....	1, 800			1118
Yes.....	1	20	July	5 July	25, 1886	20 No.....	11, 025			1119
No.....	1	10	July	14 July	24, 1886	10 No.....	4, 725			1120
Yes.....	1	17	Jan.	2 Jan.	19, 1886	17 Yes.....	150	\$32		1121
Yes.....	1		Feb.	20 Feb.	27, 1886	7 Yes.....	60	12		1122
Yes.....	1		May	1 June	1, 1886	31 No.....	625		100	1123
No.....	1	21	May	4 May	25, 1886	21 No.....	333		250	1124
Yes.....	1	5	June	21 June	23, 1886	5 Yes.....	304	108	150	1125
Yes.....	1	2	June	21 June	23, 1886	2 Yes.....	134		50	1126
Yes.....	2	6	June	22 June	23, 1886	6 Yes.....	547	170	300	1127
Yes.....	1		June	22 June	23, 1886	6 Yes.....	192	55	100	1128
Yes.....	1		Aug.	25 Sept.	13, 1886	19 Yes.....	72	4	100	1129
No.....	1	7	Oct.	1 Oct.	8, 1886	7 No.....	75		50	1130
Yes.....	13	28	Mar.	25 May	2, 1886	38 No.....	56, 340	5, 300	69, 000	1131
Yes.....	1	1	April	8 April	15, 1886	7 No.....	180		150	1132
No.....	1		April	11 May	11, 1886	30 No.....	5, 000		10, 000	1133
No.....	1	2	April	16 April	18, 1886	2 Yes.....	286		200	1134
Yes.....	1	6	April	16 Dec.	15, 1886	181 No.....	31, 746	23, 088	46, 800	1135
Yes.....	1	5	April	17 April	22, 1886	5 No.....	480		100	1136
No.....	1	2	April	30 April	22, 1886	2 Yes.....	180		100	1137
No.....	1	9	April	30 May	9, 1886	9 No.....	2, 500		500	1138
No.....	1	3	May	1 May	4, 1886	3 Yes.....	900		1, 000	1139
No.....	1	1	May	1 May	2, 1886	1 Yes.....	120		200	1140
No.....	1	2	May	1 May	3, 1886	2 Yes.....	1, 000		1, 000	1141
No.....	1	8	May	1 May	9, 1886	8 No.....	2, 700		500	1142
No.....	1	14	May	1 May	15, 1886	14 No.....	1, 536		1, 800	1143
No.....	1	9	May	3 May	12, 1886	9 No.....	900		250	1144
Yes.....	1	9	May	3 May	12, 1886	9 No.....	1, 088		1, 500	1145
No.....	1	5	May	3 May	7, 1886	4 No.....	336		200	1146

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>PUBLIC WORKS CONSTRUCTION.</b>										
1104 Laborers, laying water mains..	150	.....	150	150	.....	150	\$1 50	.....	\$1 35	.....
1105 Laborers, laying gas mains...	472	.....	472	472	.....	472	1 85	.....	1 65	.....
1106 Laborers, laying water mains..	30	.....	30	50	.....	50	2 25	.....	1 50	.....
1107 Laborers, laying sewers.....	100	.....	100	100	.....	100	1 75	.....	1 75	.....
<b>RAILROAD CAR BUILDING.</b>										
1108 Employés, palace-car works...	4,000	.....	4,000	4,000	.....	4,000	1 95	.....	1 95	.....
1109 Laborers, car works.....	150	.....	150	150	.....	150	2 20	.....	1 75	.....
<b>ROPE AND BAGGING.</b>										
1110 Employés, twine and bagging factory.....	50	40	90	50	40	90	60	\$0 60	60	\$0 60
<b>RUBBER GOODS.</b>										
1111 Hosemakers.....	70	.....	70	70	.....	70	2 00	.....	2 00	.....
1112 Employés, rubber clothing....	5	30	35	5	30	35	2 50	1 50	2 50	1 50
<b>SHIPBUILDING, ETC.</b>										
1113 Employés, shipbuilding yard...	50	.....	50	50	.....	50	2 75	.....	2 75	.....
1114 Employés, shipbuilding yard..	40	.....	40	40	.....	40	2 50	.....	2 50	.....
<b>STONE QUARRYING AND CUTTING.</b>										
1115 Stonecutters.....	60	.....	60	60	.....	60	3 50	.....	3 50	.....
1116 Laborers, stone cutting yard...	1,493	.....	1,493	1,493	.....	1,493	3 32	.....	3 33	.....
1117 Stonecutters.....	70	.....	70	70	.....	70	3 00	.....	3 00	.....
1118 Quarrymen.....	200	.....	200	200	.....	200	1 50	.....	1 50	.....
1119 Quarrymen.....	350	.....	350	350	.....	350	1 75	.....	1 50	.....
1120 Quarrymen.....	300	.....	300	250	.....	250	1 75	.....	1 50	.....
<b>TOBACCO.</b>										
1121 Cigarmakers.....	4	.....	4	4	.....	4	2 50	.....	2 50	.....
1122 Cigarmakers.....	10	.....	10	10	.....	10	2 50	.....	2 54	.....
1123 Cigarmakers.....	30	.....	30	30	.....	30	2 50	.....	2 50	.....
1124 Cigarmakers.....	10	.....	10	10	.....	10	1 85	.....	1 75	.....
1125 Cigarmakers.....	88	.....	88	88	.....	88	1 60	.....	1 65	.....
1126 Cigarmakers.....	56	.....	56	56	.....	56	1 60	.....	1 65	.....
1127 Cigarmakers.....	57	.....	57	57	.....	57	1 60	.....	1 65	.....
1128 Cigarmakers.....	65	.....	65	65	.....	65	1 60	.....	1 65	.....
1129 Cigarmakers.....	3	.....	3	3	.....	3	1 60	.....	1 60	.....
1130 Cigarmakers.....	7	.....	7	7	.....	7	1 75	.....	1 75	.....
<b>TRANSPORTATION.</b>										
1131 Yardmen, railroad.....	989	.....	989	980	.....	989	2 00	.....	2 00	.....
1132 Employés, elevator.....	20	.....	20	20	.....	20	1 50	.....	1 50	.....
1133 Brakemen.....	100	.....	100	100	.....	100	2 00	.....	2 00	.....
1134 Switchmen.....	52	.....	52	52	.....	52	2 75	.....	2 75	.....
1135 Switchmen.....	78	.....	78	88	.....	88	2 75	.....	2 75	.....
1136 Freight handlers, railroad...	80	.....	80	80	.....	80	1 50	.....	1 50	.....
1137 Laborers and wharf hands....	60	.....	60	60	.....	60	1 50	.....	1 75	.....
1138 Freight handlers, railroad...	200	.....	200	200	.....	200	1 60	.....	1 60	.....
1139 Laborers and wharf hands....	150	.....	150	150	.....	150	2 00	.....	2 25	.....
1140 Laborers and wharf hands....	60	.....	60	60	.....	60	2 00	.....	2 25	.....
1141 Laborers and wharf hands....	250	.....	250	250	.....	250	2 00	.....	2 25	.....
1142 Freight handlers, railroad.....	300	.....	300	300	.....	300	1 50	.....	1 50	.....
1143 Freight handlers, railroad.....	80	.....	80	80	.....	80	1 60	.....	1 60	.....
1144 Freight handlers, railroad.....	75	.....	75	75	.....	75	1 50	.....	1 50	.....
1145 Freight handlers, railroad.....	85	.....	85	85	.....	85	1 60	.....	1 60	.....
1146 Freight handlers, railroad.....	60	.....	60	60	.....	60	1 60	.....	1 60	.....

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro'ght from other places.	WEEKLY WORKING HOURS.	
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.
	Before.	After									
150	\$1 50	\$1 35	150	.....	150	.....	.....	.....	.....	60	48 1104
472	1 85	1 65	472	.....	472	.....	.....	.....	.....	60	48 1105
80	2 25	1 50	80	.....	80	20	.....	20	.....	60	60 1106
100	1 75	1 75	100	.....	100	15	.....	15	.....	60	60 1107
2,800	1 95	1 95	2,800	.....	2,800	.....	.....	.....	.....	60	60 1108
150	2 20	1 75	150	.....	150	.....	.....	.....	.....	59	48 1109
10	60	60	50	40	90	.....	.....	.....	.....	60	60 1110
20	2 00	2 00	70	.....	70	.....	.....	.....	.....	60	60 1111
32	1 64	1 64	2	30	32	.....	.....	.....	.....	60	60 1112
50	2 75	2 75	50	.....	50	.....	.....	.....	.....	60	60 1113
40	2 50	2 50	40	.....	40	.....	.....	.....	.....	60	60 1114
60	3 50	3 50	60	.....	60	.....	.....	.....	.....	60	54 1115
501	2 00	2 00	1,498	.....	1,498	.....	.....	.....	.....	52	50 1116
70	3 00	3 00	70	.....	70	.....	.....	.....	.....	60	54 1117
200	1 50	1 50	200	.....	200	.....	.....	.....	.....	60	60 1118
350	1 75	1 50	350	.....	350	.....	.....	.....	.....	60	60 1119
250	1 75	1 50	300	.....	300	.....	.....	.....	.....	60	60 1120
4	2 50	2 50	4	.....	4	.....	.....	.....	.....	48	54 1121
4	2 50	2 60	4	.....	4	.....	.....	.....	.....	60	54 1122
10	2 50	2 50	10	.....	10	10	.....	10	.....	55	55 1123
10	1 85	1 75	10	.....	10	6	.....	6	6	60	48 1124
88	1 60	1 65	88	.....	88	.....	.....	.....	.....	48	48 1125
56	1 60	1 65	56	.....	56	.....	.....	.....	.....	48	48 1126
57	1 60	1 65	57	.....	57	.....	.....	.....	.....	48	48 1127
20	1 60	1 65	20	.....	20	.....	.....	.....	.....	48	48 1128
3	1 60	1 60	3	.....	3	.....	.....	.....	.....	48	48 1129
7	1 75	1 75	7	.....	7	7	.....	7	5	48	48 1130
939	2 00	2 00	939	.....	939	400	.....	400	400	60	60 1131
20	1 50	1 50	20	.....	20	15	.....	15	15	60	60 1132
100	2 00	2 00	100	.....	100	100	.....	100	50	60	60 1133
50	2 75	2 75	50	.....	50	2	.....	2	2	60	60 1134
74	2 75	2 75	74	.....	74	84	.....	84	76	60	60 1135
80	1 50	1 50	80	.....	80	.....	.....	.....	.....	60	60 1136
60	1 50	1 75	60	.....	60	.....	.....	.....	.....	60	60 1137
200	1 60	1 60	200	.....	200	180	.....	180	180	60	60 1138
150	2 00	2 25	150	.....	150	10	.....	10	.....	60	60 1139
60	2 00	2 25	60	.....	60	5	.....	10	.....	60	60 1140
250	2 00	2 25	250	.....	250	20	.....	20	.....	60	60 1141
300	1 50	1 50	300	.....	300	175	.....	175	175	60	60 1142
40	1 60	1 60	80	.....	80	.....	.....	.....	.....	60	60 1143
75	1 50	1 50	75	.....	75	.....	.....	.....	.....	60	60 1144
85	1 60	1 60	85	.....	85	72	.....	72	72	60	60 1145
60	1 60	1 60	60	.....	60	.....	.....	.....	.....	60	60 1146



*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1886—Continued.</b>		
<b>TRANSPORTATION—Concluded.</b>		
1147 Freight handlers, railroad.....	Chicago .....	For reduction of hours.
1148 Freight handlers, railroad.....	Chicago .....	For increase of wages and reduction of hours.
1149 Freight handlers, railroad.....	Englewood .....	For reduction of hours.
1150 Switchmen .....	Chicago .....	For increase of wages.
1151 Freight handlers, etc., railroad.....	Chicago .....	For reduction of hours.
1152 Freight handlers, railroad.....	Englewood .....	For reduction of hours.
1153 Freight handlers, railroad.....	Chicago .....	For reduction of hours.
1154 Freight handlers, railroad.....	Chicago .....	For reduction of hours.
1155 Freight handlers, railroad.....	Chicago .....	For reduction of hours.
1156 Freight handlers, railroad.....	Englewood .....	For increase of wages.
1157 Switchmen .....	Chicago .....	For increase of wages.
1158 Laborers and wharf hands .....	Cairo .....	For increase of wages.
1159 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1160 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1161 Laborers and wharf hands .....	Mound City .....	For increase of wages.
1162 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1163 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1164 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1165 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1166 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1167 Laborers and wharf hands .....	Cairo .....	For increase of wages.
1168 Laborers and wharf hands .....	Mound City .....	For increase of wages.
1169 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1170 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1171 Laborers and wharf hands .....	Chicago .....	For increase of wages.
1172 Laborers and wharf hands .....	Chicago .....	For increase of wages.
<b>WATCHES.</b>		
1173 Polishers, watch-case factory..	Chicago .....	Against reduction of wages.....
<b>WOODEN GOODS.</b>		
1174 Employés, planing mill.....	Chicago .....	For reduction of hours.
1175 Boxmakers.....	Chicago .....	For reduction of hours and wages.
1176 Boxmakers.....	Chicago .....	For increase of wages and reduction of hours.
1177 Boxmakers.....	Chicago .....	For increase of wages and reduction of hours.
1178 Boxmakers.....	Chicago .....	For reduction of hours.
1179 Boxmakers.....	Chicago .....	For reduction of hours.
1180 Boxmakers.....	Chicago .....	For reduction of hours.
1181 Boxmakers.....	Chicago .....	For reduction of hours.
1182 Employés, planing mill.....	Chicago .....	For reduction of hours.
1183 Employés, planing mill.....	Chicago .....	For reduction of hours.
1184 Employés, planing mill.....	Chicago .....	For reduction of hours.
1185 Employés, planing mill.....	Chicago .....	For increase of wages and reduction of hours.
1186 Employés, planing mill.....	Chicago .....	For reduction of hours.
1187 Boxmakers.....	Chicago .....	For increase of wages and reduction of hours.
1188 Boxmakers.....	Chicago .....	For reduction of hours and weekly payments.
1189 Boxmakers.....	Chicago .....	For reduction of hours.
1190 Employés, planing mill.....	Chicago .....	For reduction of hours.
1191 Boxmakers.....	Chicago .....	For reduction of hours.
1192 Employés, planing mill.....	Chicago .....	For reduction of hours and wages.
1193 Employés, planing mill.....	Chicago .....	For reduction of hours.
1194 Employés, planing mill.....	Chicago .....	For reduction of hours.
1195 Employés, planing mill.....	Chicago .....	For reduction of hours.
1196 Employés, planing mill.....	Chicago .....	For reduction of hours.
1197 Employés, planing mill.....	Chicago .....	For reduction of hours.
1198 Employés, planing mill.....	Chicago .....	For reduction of hours.
1199 Employés, planing mill.....	Chicago .....	For reduction of hours.
1200 Employés, planing mill.....	Chicago .....	For reduction of hours.
1201 Employés, planing mill.....	Chicago .....	For reduction of hours.
1202 Employés, planing mill.....	Chicago .....	For reduction of hours.
1203 Employés, planing mill.....	Chicago .....	For reduction of hours.
1204 Employés, planing mill.....	Chicago .....	For reduction of hours.
1205 Employés, planing mill.....	Chicago .....	For increase of wages and reduction of hours.
1206 Employés, planing mill.....	Chicago .....	For reduction of hours.

*Strikes by Years and Industries—Continued.*

Ordered by labor organi- zation.	ESTABLISH- MENTS.		Begin- ning.	End.	Duration (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
No .....	1	5	May	3 May	8, 1886	5 No .....	\$640		\$600 1147
No .....	1	6	May	4 May	10, 1886	6 No .....	1,050		300 1148
No .....	1	5	May	4 May	9, 1886	5 No .....	150		1149
No .....	1	4	May	4 May	8, 1886	4 Yes .....	300		250 1150
No .....	1	9	May	4 May	13, 1886	9 No .....	1,800		500 1151
Yes .....	1	1	May	4 May	14, 1886	10 No .....	270		1152
No .....	1	7	May	4 May	11, 1886	7 No .....	3,600		800 1153
No .....	1	6	May	4 May	10, 1886	6 No .....	1,800		300 1154
No .....	1	5	May	4 May	9, 1886	5 No .....	1,125		200 1155
Yes .....	1	10	May	4 May	14, 1886	10 No .....	730		1,000 1156
Yes .....	1	5	May	7 May	12, 1886	5 Yes .....	186		150 1157
No .....	8	3	June	1 June	4, 1886	3 Yes .....	240		250 1158
No .....	1	2	June	1 June	3, 1886	2 No .....	1,125		1,000 1159
No .....	1	1	June	1 June	2, 1886	1 No .....	150		200 1160
No .....	1	3	June	1 June	4, 1886	3 Yes .....	240		250 1161
No .....	1	3	June	15 June	18, 1886	3 Yes .....	300		200 1162
No .....	1	2	June	15 June	17, 1886	2 Yes .....	100		500 1163
No .....	1	3	July	15 July	18, 1886	3 No .....	1,013		1,000 1164
No .....	1	3	Sept.	15 Sept.	18, 1886	3 No .....	1,013		1,000 1165
No .....	1	3	Sept.	15 Sept.	18, 1886	3 No .....	890		200 1166
No .....	8	3	Oct.	1 Oct.	4, 1886	3 No .....	270		250 1167
No .....	1	3	Oct.	1 Oct.	4, 1886	3 No .....	270		250 1168
No .....	1	2	Oct.	1 Oct.	3, 1886	2 No .....	130		500 1169
No .....	1	2	Oct.	15 Oct.	17, 1886	2 No .....	1,125		1,000 1170
No .....	1	1	Oct.	15 Oct.	16, 1886	1 Yes .....	130		200 1171
No .....	1	2	Nov.	1 Nov.	3, 1886	2 No .....	1,125		1,000 1172
No .....	1		June	8 June	15, 1886	7 No .....	166		500 1173
Yes .....	1	2	April	30 May	2, 1886	2 No .....	990		500 1174
Yes .....	1	21	May	1 May	22, 1886	21 No .....	1,215		1,000 1175
Yes .....	1	20	May	1 May	21, 1886	20 No .....	3,000		2,000 1176
Yes .....	1	14	May	1 May	15, 1886	14 No .....	3,600		10,000 1177
Yes .....	1	7	May	1 May	8, 1886	7 Partly .....	900		150 1178
Yes .....	1	17	May	1 May	18, 1886	17 No .....	3,813		2,000 1179
Yes .....	1	1	May	1 May	15, 1886	14 Yes .....	2,474		2,500 1180
Yes .....	1	14	May	1 May	15, 1886	14 Partly .....	900		2,000 1181
No .....	1	3	May	1 May	4, 1886	3 No .....	37		40 1182
Yes .....	1	2	May	1 May	3, 1886	2 No .....	80		25 1183
Yes .....	1	4	May	1 May	5, 1886	4 No .....	280		1,000 1184
Yes .....	1	1	May	1 May	12, 1886	11 No .....	5,600		3,000 1185
Yes .....	1	10	May	1 May	11, 1886	10 No .....	1,300		2,500 1186
Yes .....	1	14	May	1 May	15, 1883	14 Partly .....	2,025		3,000 1187
Yes .....	1	1	May	1 May	15, 1886	14 No .....	9,600		5,000 1188
Yes .....	1	21	May	1 May	22, 1886	21 Partly .....	5,400		6,000 1189
Yes .....	1	21	May	1 May	22, 1886	21 No .....	608		2,000 1190
Yes .....	1	1	May	1 May	22, 1886	21 No .....	2,880		3,000 1191
Yes .....	1	7	May	1 May	8, 1886	7 Yes .....	1,470		1,000 1192
Yes .....	1	7	May	1 May	8, 1886	7 Partly .....	441		3,000 1193
Yes .....	1	7	May	1 May	8, 1886	7 No .....	1,060		3,000 1194
Yes .....	1	7	May	1 May	8, 1886	7 Yes .....	180		400 1195
Yes .....	2	7	May	1 May	8, 1886	7 Partly .....	3,192		2,500 1196
Yes .....	6	7	May	1 May	8, 1886	7 No .....	4,343	\$1,000	8,800 1197
Yes .....	1	15	May	1 May	16, 1886	15 No .....	3,768		2,000 1198
Yes .....	1	14	May	1 May	15, 1886	14 No .....	1,350		2,500 1199
Yes .....	4	14	May	1 May	15, 1886	14 No .....	5,925		23,875 1200
Yes .....	1	21	May	1 May	22, 1886	21 No .....	3,375		5,000 1201
Yes .....	1	21	May	1 May	22, 1886	21 No .....	5,910		10,000 1202
Yes .....	1	21	May	1 May	22, 1886	21 No .....	3,150		2,500 1203
Yes .....	1	1	May	1 May	22, 1886	21 No .....	1,800		1,500 1204
Yes .....	1	21	May	1 May	22, 1886	21 No .....	5,400		5,000 1205
Yes .....	1	21	May	1 May	22, 1886	21 No .....	5,400		5,000 1206

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1886—Continued.</b>										
<b>TRANSPORTATION—Concluded.</b>										
1147 Freight handlers, railroad. ....	80		80	80		80	\$1 60		\$1 60	
1148 Freight handlers, railroad. ....	140		140	140		140	1 50		1 50	
1149 Freight handlers, railroad. ....	20		20	20		20	1 50		1 50	
1150 Switchmen. ....	50		50	50		50	1 50		1 50	
1151 Freight handlers, etc., railroad. ....	150		150	150		150	1 50		1 50	
1152 Freight handlers, railroad. ....	20		20	20		20	1 50		1 50	
1153 Freight handlers, railroad. ....	400		400	400		400	1 50		1 50	
1154 Freight handlers, railroad. ....	200		200	200		200	1 50		1 50	
1155 Freight handlers, railroad. ....	150		150	125		125	1 50		1 50	
1156 Freight handlers, railroad. ....	80		80	80		80	1 50		1 50	
1157 Switchmen. ....	31		31	31		31	1 50		1 50	
1158 Laborers and wharf hands. ....	40		40	40		40	2 00		2 25	
1159 Laborers and wharf hands. ....	250		250	250		250	2 25		2 25	
1160 Laborers and wharf hands. ....	60		60	60		60	2 25		2 25	
1161 Laborers and wharf hands. ....	40		40	40		40	2 00		2 25	
1162 Laborers and wharf hands. ....	50		50	50		50	2 00		2 25	
1163 Laborers and wharf hands. ....	20		20	20		20	2 50		3 00	
1164 Laborers and wharf hands. ....	150		150	150		150	2 25		2 25	
1165 Laborers and wharf hands. ....	150		150	150		150	2 25		2 25	
1166 Laborers and wharf hands. ....	50		50	50		50	2 25		2 25	
1167 Laborers and wharf hands. ....	40		40	40		40	2 25		2 25	
1168 Laborers and wharf hands. ....	40		40	40		40	2 25		2 25	
1169 Laborers and wharf hands. ....	20		20	20		20	3 00		3 00	
1170 Laborers and wharf hands. ....	250		250	250		250	2 25		2 25	
1171 Laborers and wharf hands. ....	80		80	80		80	2 00		2 25	
1172 Laborers and wharf hands. ....	250		250	250		250	2 25		2 25	
<b>WATCHES.</b>										
1173 Polishers, watch-case factory ..	79	7	86	79	7	86	1 67	\$1 00	1 63	\$1 00
<b>WOODEN GOODS.</b>										
1174 Employés, planing mill. ....	275		275	275		275	2 40		2 40	
1175 Boxmakers. ....	50		50	50		50	1 35		1 35	
1176 Boxmakers. ....	125		125	125		125	2 00		2 00	
1177 Boxmakers. ....	150		150	130		130	2 00		2 00	
1178 Boxmakers. ....	85		85	85		85	2 00		2 00	
1179 Boxmakers. ....	125		125	125		125	1 50		1 50	
1180 Boxmakers. ....	125		125	125		125	1 65		1 65	
1181 Boxmakers. ....	50		50	50		50	1 50		1 50	
1182 Employés, planing mill. ....	7		7	7		7	1 75		1 75	
1183 Employés, planing mill. ....	6		6	6		6	2 50		2 50	
1184 Employés, planing mill. ....	35		35	35		35	2 00		2 00	
1185 Employés, planing mill. ....	350		350	350		350	1 60		1 50	
1186 Employés, planing mill. ....	75		75	75		75	1 75		1 75	
1187 Boxmakers. ....	130		130	130		130	2 25		2 50	
1188 Boxmakers. ....	400		400	450		450	2 00		2 10	
1189 Boxmakers. ....	150		150	150		150	2 00		2 00	
1190 Employés, planing mill. ....	15		15	15		15	2 25		2 25	
1191 Boxmakers. ....	80		80	80		80	2 00		2 00	
1192 Employés, planing mill. ....	175		175	175		175	1 40		1 25	
1193 Employés, planing mill. ....	42		42	40		40	1 75		1 50	
1194 Employés, planing mill. ....	100		100	100		100	1 80		1 80	
1195 Employés, planing mill. ....	12		12	12		12	2 50		2 50	
1196 Employés, planing mill. ....	266		266	266		266	2 00		1 80	
1197 Employés, planing mill. ....	465		465	465		465	2 01		2 01	
1198 Employés, planing mill. ....	175		175	175		175	1 87		1 87	
1199 Employés, planing mill. ....	50		50	50		50	2 25		2 25	
1200 Employés, planing mill. ....	280		280	280		280	1 78		1 78	
1201 Employés, planing mill. ....	125		125	100		100	1 50		1 50	
1202 Employés, planing mill. ....	300		300	300		300	1 65		1 65	
1203 Employés, planing mill. ....	100		100	100		100	1 75		1 75	
1204 Employés, planing mill. ....	64		64	64		64	2 00		2 00	
1205 Employés, planing mill. ....	150		150	150		150	2 00		2 00	
1206 Employés, planing mill. ....	150		150	150		150	2 00		2 00	

## Strikes by Years and Industries—Continued.

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro't from other places.	WEEKLY WORKING HOURS.	
Number.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.
	Before.	After.									
80	\$1 60	\$1 60	80	.....	80	.....	.....	.....	.....	62	62 1147
140	1 50	1 50	140	.....	140	.....	.....	.....	.....	60	60 1148
20	1 50	1 50	20	.....	20	.....	.....	.....	.....	60	60 1149
50	1 50	1 80	50	.....	59	.....	.....	.....	.....	60	60 1150
150	1 50	1 50	150	.....	150	.....	.....	.....	.....	60	60 1151
20	1 50	1 50	20	.....	20	20	.....	20	20	60	60 1152
400	1 50	1 50	400	.....	400	200	.....	200	200	60	60 1153
200	1 50	1 50	200	.....	200	100	.....	100	100	60	60 1154
150	1 50	1 50	150	.....	150	25	.....	25	25	60	60 1155
80	1 50	1 50	80	.....	80	80	.....	80	80	60	60 1156
31	1 50	1 80	31	.....	31	.....	.....	.....	.....	60	60 1157
40	2 00	2 25	40	.....	40	5	.....	5	.....	60	60 1158
250	2 25	2 25	250	.....	250	20	.....	20	.....	60	60 1159
60	2 25	2 25	60	.....	60	5	.....	5	.....	60	60 1160
40	2 00	2 25	40	.....	40	5	.....	5	.....	60	60 1161
50	2 00	2 25	50	.....	50	5	.....	5	.....	60	60 1162
20	2 50	3 00	20	.....	20	5	.....	5	.....	60	60 1163
150	2 25	2 25	150	.....	150	10	.....	10	.....	60	60 1164
150	2 25	2 25	150	.....	150	10	.....	10	.....	60	60 1165
50	2 25	2 25	50	.....	50	5	.....	5	.....	60	60 1166
40	2 25	2 25	40	.....	40	5	.....	5	.....	60	60 1167
40	2 25	2 25	40	.....	40	5	.....	5	.....	60	60 1168
20	3 00	3 00	20	.....	20	5	.....	5	.....	60	60 1169
250	2 25	2 25	250	.....	250	20	.....	20	.....	60	60 1170
60	2 00	2 25	60	.....	60	5	.....	5	.....	60	60 1171
250	2 25	2 25	250	.....	250	20	.....	20	.....	60	60 1172
14	2 00	1 75	14	.....	14	14	.....	14	14	60	60 1173
275	2 40	2 40	275	.....	275	25	.....	25	.....	60	60 1174
50	1 85	1 85	50	.....	50	.....	.....	.....	.....	60	60 1175
125	2 00	2 00	125	.....	125	.....	.....	.....	.....	60	60 1176
150	2 00	2 00	150	.....	150	15	.....	15	.....	60	60 1177
85	2 00	2 00	85	.....	85	.....	.....	.....	.....	60	55 1178
125	1 50	1 50	125	.....	125	10	.....	10	.....	60	60 1179
125	1 65	1 65	125	.....	125	.....	.....	.....	.....	60	48 1180
50	1 60	1 50	50	.....	50	10	.....	10	.....	60	55 1181
7	1 75	1 75	7	.....	7	.....	.....	.....	.....	60	60 1182
6	2 50	2 50	6	.....	6	.....	.....	.....	.....	60	60 1183
35	2 00	2 00	35	.....	35	.....	.....	.....	.....	60	60 1184
250	1 50	1 50	250	.....	250	75	.....	75	.....	60	60 1185
75	1 75	1 75	75	.....	75	.....	.....	.....	.....	60	60 1186
65	2 25	2 50	65	.....	65	.....	.....	.....	.....	60	55 1187
400	2 00	2 10	400	.....	400	400	.....	400	.....	60	60 1188
150	2 00	2 00	150	.....	150	50	.....	50	.....	60	55 1189
15	2 25	2 25	15	.....	15	.....	.....	.....	.....	60	60 1190
80	2 00	2 00	80	.....	80	.....	.....	.....	.....	60	60 1191
175	1 40	1 25	175	.....	175	.....	.....	.....	.....	60	48 1192
42	1 75	1 55	42	.....	42	.....	.....	.....	.....	60	48 1193
100	1 80	1 80	100	.....	100	20	.....	20	.....	60	60 1194
12	2 50	2 50	12	.....	12	.....	.....	.....	.....	60	48 1195
266	2 00	1 80	266	.....	266	.....	.....	.....	.....	60	48 1196
345	2 01	2 01	455	.....	455	15	.....	15	.....	60	60 1197
155	1 87	1 87	155	.....	155	25	.....	25	.....	60	60 1198
50	2 25	2 25	50	.....	50	25	.....	25	.....	60	60 1199
280	1 75	1 75	280	.....	280	60	.....	60	.....	60	60 1200
125	1 50	1 50	125	.....	125	.....	.....	.....	.....	60	60 1201
300	1 65	1 65	300	.....	300	25	.....	25	.....	60	60 1202
100	1 75	1 75	100	.....	100	.....	.....	.....	.....	60	60 1203
50	2 00	2 00	50	.....	50	40	.....	40	.....	60	60 1204
150	2 00	2 00	150	.....	150	10	.....	10	.....	60	60 1205
150	2 00	2 00	150	.....	150	25	.....	25	.....	60	60 1206

*Strikes by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1886—Continued.</b>		
<b>WOODEN GOODS—Concluded.</b>		
1207 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1208 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1209 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1210 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1211 Employees, planing mill.....	Chicago .....	For reduction of hours and wages.....
1212 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1213 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1214 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1215 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1216 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1217 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1218 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1219 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1220 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1221 Boxmakers.....	Chicago .....	For reduction of hours.....
1222 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1223 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1224 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1225 Employees, planing mill.....	Chicago .....	For reduction of hours.....
1226 Employees, planing mill.....	Chicago .....	Against increase of hours.....
1227 Employees, planing mill.....	Chicago .....	For increase of wages and reduction of hours.....
1228 Employees, box factory.....	Cairo .....	For reduction of hours.....
1229 Employees, planing mill.....	Chicago .....	For increase of wages.....
1230 Boxmakers.....	Chicago .....	For increase of wages and weekly payments.....
1231 Employees, planing mill.....	Chicago .....	For increase of wages.....
<b>MISCELLANEOUS.</b>		
1232 Employees, trunk factory.....	Chicago .....	For increase of wages and reduction of hours.....
1233 Employees, lime kiln.....	Chicago .....	For increase of wages and reduction of hours.....
1234 Employees, musical instrument factory.....	Chicago .....	For reduction of hours.....
1235 Employees, picture frames.....	Chicago .....	For reduction of hours.....
1236 Employees, picture frames.....	Chicago .....	For reduction of hours.....
1237 Employees, picture frames.....	Chicago .....	For reduction of hours.....
1238 Employees, picture frames.....	Chicago .....	For reduction of hours.....
1239 Employees, picture frames.....	Chicago .....	For reduction of hours.....
1240 Employees, picture frames.....	Chicago .....	For reduction of hours.....
1241 Employees, vault and sidewalk light factory.....	Chicago .....	For reduction of hours.....
1242 Laborers, stock yards.....	Chicago .....	For reduction of hours.....
1243 Soapmakers.....	Chicago .....	For reduction of hours.....
1244 Broommakers.....	Chicago .....	For reduction of hours.....
1245 Broommakers.....	Chicago .....	For reduction of hours.....
1246 Malsters.....	Chicago .....	For increase of wages and reduction of hours.....
1247 Malsters.....	Chicago .....	For increase of wages and reduction of hours.....
1248 Malsters.....	Chicago .....	For increase of wages and reduction of hours.....
1249 Malsters.....	Chicago .....	For increase of wages and reduction of hours.....
1250 Malsters.....	Chicago .....	For increase of wages and reduction of hours.....
1251 Malsters.....	Chicago .....	For increase of wages and reduction of hours.....

*Strikes by Years and Industries—Continued.*

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.
	Num- ber.	Days closed.					Loss.	Assist- ance.	
Yes .....	1	14 May	1 May	15, 1886	14	Partly	\$730		\$1,500 1207
Yes .....	2	14 May	1 May	15, 1886	14	Partly	2,282		4,000 1208
Yes .....	1	10 May	1 May	11, 1886	10	Partly	486		1,200 1209
Yes .....	1	21 May	1 May	22, 1886	21	No	12,375		37,500 1210
Yes .....	1	21 May	1 May	22, 1886	21	No	10,800		20,000 1211
Yes .....	1	21 May	1 May	22, 1886	21	Yes	1,080		1,500 1212
Yes .....	20	21 May	1 May	22, 1886	21	No	14,400		15,000 1213
Yes .....	1	2 May	2 May	4, 1886	2	Partly	563		1,000 1214
Yes .....	1	8 May	2 May	5, 1886	3	Partly	480		500 1215
Yes .....	1	11 May	2 May	13, 1886	11	No	1,500		2,000 1216
Yes .....	1	17 May	2 May	19, 1886	17	No	338		500 1217
Yes .....	1	1 May	2 May	3, 1886	1	Yes	114		100 1218
Yes .....	1	1 May	2 May	3, 1886	1	Partly	180		1,500 1219
Yes .....	1	1 May	2 May	3, 1886	1	Partly	113		1,000 1220
Yes .....	1	29 May	3 June	1, 1886	29	No	1,750		7,000 1221
Yes .....	1	15 May	3 May	18, 1886	15	Partly	1,300		2,500 1222
Yes .....	1	7 May	3 May	10, 1886	7	Partly	1,200		1,800 1223
Yes .....	1	7 May	3 May	10, 1886	7	Partly	540		5,000 1224
Yes .....	1	7 May	5 May	12, 1886	7	Partly	525		1,000 1225
Yes .....	1	June	1 June	2, 1886	1	No	80		1,000 1226
Yes .....	1	June	5 July	5, 1886	30	No	2,700		5,000 1227
Yes .....	1	7 June	11 June	18, 1886	7	No	1,200		1228
Yes .....	1	June	14 July	14, 1886	30	No	6,250		6,000 1229
Yes .....	1	42 June	14 July	25, 1886	42	No	5,940		15,000 1230
Yes .....	11	21 Oct.	26 Nov.	15, 1886	21	Yes	14,000		21,100 1231
Yes .....	1	April	28 May	26, 1886	28	No	1,470		2,000 1232
Yes .....	1	May	1 May	11, 1886	10	Yes	1,620		500 1233
Yes .....	1	3 May	1 May	4, 1886	3	Partly	276		2,000 1234
Yes .....	1	May	1 May	3, 1886	2	No	180		500 1235
Yes .....	1	7 May	1 May	8, 1886	7	No	180		300 1236
Yes .....	1	May	1 May	2, 1886	1	No	114		300 1237
Yes .....	2	12 May	1 May	13, 1886	12	No	1,670		1,500 1238
Yes .....	1	21 May	1 June	1, 1886	31	No	2,700		5,000 1239
Yes .....	4	May	1 May	3, 1886	2	Yes	900		3,000 1240
Yes .....	1	2 May	1 May	3, 1886	2	Partly	30		1241
Yes .....	1	2 May	3 May	5, 1886	2	Yes	5,250		5,000 1242
Yes .....	1	1 May	3 May	4, 1886	1	Partly	500		1243
Yes .....	1	14 May	13 May	27, 1886	14	No	994		50 1244
Yes .....	13	May	13 May	14, 1886	1	Yes	155		1245
Yes .....	5	Oct.	1 Dec.	31, 1886	31	No	10,060	\$2,650	22,000 1246
Yes .....	1	Oct.	1 Oct.	2, 1886	1	Yes	17		100 1247
Yes .....	1	Oct.	1 Oct.	2, 1886	1	Yes	28		1248
Yes .....	1	Oct.	1 Oct.	3, 1886	2	Yes	30		100 1249
Yes .....	1	4 Oct.	1 Oct.	5, 1886	4	Yes	120		300 1250
Yes .....	1	42 Oct.	1 Nov.	12, 1886	42	Yes	1,208	800	1,500 1251

# Strikes by Years and Industries—Continued.

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before strike.			After strike.			Before strike.		After strike.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1886—Continued.</b>										
<b>WOODEN GOODS—Concluded.</b>										
1207 Employees, planing mill.....	40		40	40		40	\$1 50		\$1 35	
1208 Employees, planing mill.....	88		88	88		88	2 00		1 80	
1209 Employees, planing mill.....	27		27	27		27	2 00		1 80	
1210 Employees, planing mill.....	550		550	550		550	1 25		1 40	
1211 Employees, planing mill.....	400		400	400		400	1 50		1 50	
1212 Employees, planing mill.....	30		30	30		30	2 00		2 00	
1213 Employees, planing mill.....	400		400	400		400	2 00		2 00	
1214 Employees, planing mill.....	125		125	180		180	2 25		1 80	
1215 Employees, planing mill.....	80		80	80		80	2 00		1 60	
1216 Employees, planing mill.....	75		75	75		75	2 00		2 00	
1217 Employees, planing mill.....	10		10	10		10	2 25		2 25	
1218 Employees, planing mill.....	57		57	57		57	2 00		2 00	
1219 Employees, planing mill.....	80		80	80		80	2 00		1 80	
1220 Employees, planing mill.....	50		50	50		50	2 25		2 00	
1221 Boxmakers.....	40		40	40		40	1 75		1 75	
1222 Employees, planing mill.....	50		50	50		50	2 00		1 80	
1223 Employees, planing mill.....	100		100	180		180	2 00		1 80	
1224 Employees, planing mill.....	45		45	25		25	2 00		1 80	
1225 Employees, planing mill.....	50		50	50		50	1 75		1 58	
1226 Employees, planing mill.....	120		120	130		130	1 80		2 00	
1227 Employees, planing mill.....	74		74	74		74	1 80		2 00	
1228 Employees, box factory.....	125		125	125		125	1 50		1 50	
1229 Employees, planing mill.....	125		125	150		150	2 00		2 00	
1230 Boxmakers.....	125		125	a		a	1 65		a	
1231 Employees, planing mill.....	425		425	425		425	2 25		2 70	
<b>MISCELLANEOUS.</b>										
1232 Employees, trunk factory.....	50		50	50		50	1 75		1 75	
1233 Employees, lime-kiln.....	200		200	200		200	1 50		1 65	
1234 Employees, musical instrument factory.....	60		60	60		60	1 67		1 67	
1235 Employees, picture frames.....	60		60	60		60	1 50		1 50	
1236 Employees, picture frames.....	20		20	20		20	1 50		1 50	
1237 Employees, picture frames.....	78		78	78		78	1 50		1 50	
1238 Employees, picture frames.....	100		100	100		100	1 50		1 50	
1239 Employees, picture frames.....	78		78	75		75	1 50		1 50	
1240 Employees, picture frames.....	815	2	817	815	2	817	1 50	\$1 00	1 50	\$1 00
1241 Employees, vault and sidewalk light factory.....	15		15	15		15	2 00		1 60	
1242 Laborers, stock yards.....	1,500		1,500	1,500		1,500	1 75		1 75	
1243 Soapmakers.....	500	50	550	500	50	550	1 50	1 00	1 50	1 00
1244 Broommakers.....	45	6	51	45	6	51	2 25	1 00	2 50	1 25
1245 Broommakers.....	69		69	59		59	2 25		2 25	
1246 Maltsters.....	118		118	118		118	1 65		1 65	
1247 Maltsters.....	10		10	10		10	1 65		2 00	
1248 Maltsters.....	18		18	18		18	1 65		2 00	
1249 Maltsters.....	14		14	14		14	1 65		2 00	
1250 Maltsters.....	18		18	18		18	1 65		2 00	
1251 Maltsters.....	25		25	25		25	1 65		2 00	

a This establishment was closed permanently.

*Strikes by Years and Industries—Continued.*

EMPLOYEES STRIKING.			EMPLOYEES STRIKING AND INVOLVED.			NEW EMPLOYEES AFTER STRIKE.			Bro't from other places.	WEEKLY WORK- ING HOURS.	
Num- ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.
	Before.	After.									
40	\$1 50	\$1 35	40	.....	40	.....	.....	.....	.....	60	48 1907
88	2 00	1 80	88	.....	88	.....	.....	.....	.....	60	48 1908
27	2 00	1 80	27	.....	27	.....	.....	.....	.....	60	48 1909
800	1 25	1 40	550	.....	550	110	.....	110	.....	60	60 1910
400	1 50	1 50	400	.....	400	50	.....	50	.....	60	60 1911
80	2 00	2 00	80	.....	80	10	.....	10	.....	60	48 1912
400	2 00	2 00	400	.....	400	100	.....	100	.....	60	60 1913
125	2 25	1 80	125	.....	125	75	.....	75	.....	60	48 1914
80	2 00	1 60	80	.....	80	.....	.....	.....	.....	60	48 1915
75	2 00	2 00	75	.....	75	.....	.....	.....	.....	60	60 1916
10	2 25	2 25	10	.....	10	5	.....	5	.....	60	60 1917
57	2 00	2 00	57	.....	57	.....	.....	.....	.....	60	48 1918
80	2 00	1 80	80	.....	80	.....	.....	.....	.....	60	48 1919
50	2 25	2 00	50	.....	50	.....	.....	.....	.....	60	48 1920
40	1 75	1 75	40	.....	40	20	.....	20	.....	60	60 1921
50	2 00	1 80	50	.....	50	.....	.....	.....	.....	60	48 1922
100	2 00	1 80	100	.....	100	20	.....	20	.....	60	48 1923
45	2 00	1 80	45	.....	45	10	.....	10	.....	60	48 1924
50	1 75	1 55	50	.....	50	4	.....	4	.....	60	48 1925
40	1 80	2 00	40	.....	40	.....	.....	.....	.....	48	60 1926
60	1 80	2 00	60	.....	60	50	.....	50	.....	54	60 1927
125	1 50	1 50	125	.....	125	125	.....	125	.....	66	66 1928
125	2 00	2 00	125	.....	125	75	.....	75	.....	60	60 1929
125	1 65	a	125	.....	125	.....	.....	.....	.....	48	a 1930
425	2 25	2 70	425	.....	425	70	.....	70	.....	55	55 1931
20	1 75	1 75	25	.....	25	.....	.....	.....	.....	60	60 1932
120	1 50	1 65	120	.....	120	.....	.....	.....	.....	60	48 1933
55	1 67	1 67	55	.....	55	.....	.....	.....	.....	60	54 1934
60	1 50	1 50	60	.....	60	.....	.....	.....	.....	60	60 1935
20	1 50	1 50	20	.....	20	.....	.....	.....	.....	60	60 1936
75	1 50	1 50	75	.....	75	.....	.....	.....	.....	60	60 1937
100	1 50	1 50	100	.....	100	.....	.....	.....	.....	60	60 1938
75	1 50	1 50	75	.....	75	.....	.....	.....	.....	60	60 1939
255	1 50	1 50	255	.....	255	.....	.....	.....	.....	60	48 1940
15	2 00	1 60	15	.....	15	.....	.....	.....	.....	60	48 1941
1,500	1 75	1 75	1,500	.....	1,500	.....	.....	.....	.....	60	48 1942
550	1 45	1 45	500	50	550	.....	.....	.....	.....	60	58 1943
51	2 10	2 25	45	6	51	.....	.....	.....	.....	60	60 1944
69	2 25	2 25	69	.....	69	.....	.....	.....	.....	60	48 1945
67	1 65	1 65	67	.....	67	33	.....	33	.....	50	60 1946
10	1 65	2 00	10	.....	10	.....	.....	.....	.....	80	60 1947
18	1 65	2 00	18	.....	18	.....	.....	.....	.....	80	56 1948
9	1 65	2 00	9	.....	9	.....	.....	.....	.....	80	60 1949
18	1 65	2 00	18	.....	18	.....	.....	.....	.....	80	60 1950
15	1 65	2 00	25	.....	25	.....	.....	.....	.....	80	60 1951

a This establishment was closed permanently.



*Lockouts by Years and Industries.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1881.</b>		
<b>METALS AND METALLIC GOODS.</b>		
44 Employés, barbed wire works.	DeKalb.....	Against demand for increase of wages .....
<b>1883.</b>		
<b>TOBACCO.</b>		
45 Cigarmakers .....	Chicago .....	Against union men.....
<b>1884.</b>		
<b>BRICK.</b>		
46 Brickmakers .....	Chicago .....	To enforce reduction of wages .....
47 Brickmakers .....	Chicago .....	To enforce reduction of wages .....
<b>GLASS.</b>		
48 Employés, bottle-glass works.	Ottawa .....	To enforce reduction of wages .....
<b>1885.</b>		
<b>BRICK.</b>		
49 Brickmakers .....	Chicago .....	To enforce reduction of wages .....
50 Brickmakers .....	Chicago .....	To enforce reduction of wages .....
51 Brickmakers .....	Chicago .....	To enforce reduction of wages .....
52 Brickmakers .....	Chicago .....	To enforce reduction of wages .....
<b>METALS AND METALLIC GOODS.</b>		
53 Horseshoers. ....	Chicago .....	To enforce reduction of wages .....
54 Nailers and feeders, nail works	Cummings .....	To enforce reduction of wages .....
<b>1886.</b>		
<b>CLOTHING.</b>		
55 Cutters, clothing factory .....	Chicago .....	Against demand for increase of wages or reduction of hours .....
<b>COOPERAGE.</b>		
56 Employés .....	Peoria .....	To enforce reduction of wages .....
<b>FOOD PREPARATIONS.</b>		
57 Employés, pork packing estab- lishment.....	Chicago .....	To enforce increase of hours .....
58 Employés, pork packing estab- lishment.....	Chicago .....	To enforce increase of hours .....
59 Employés, pork packing estab- lishment.....	Chicago .....	To enforce increase of hours .....

*Lockouts by Years and Industries.*

Ordered by organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.	
	Num- ber.	Days closed.					Loss.	Assist- ance.		
No .....	1	27 May	5 June	1, 1881	27	Yes .....	\$3, 125		\$2, 000	44
No .....	33	..... Nov.	10 Dec.	5, 1883	26	Yes .....	16, 438	\$749	12, 300	45
Yes .....	12	21 July	7 July	28, 1884	21	No .....	80, 154	1, 625	3, 040	46
Yes .....	27	..... July	21 Sept.	8, 1884	49	Yes .....	74, 314			47
No .....	1	182 Sept.	1 Mar.	1, 1885	182	No .....	36, 000	1, 800	5, 000	48
Yes .....	1	14 July	1 July	15, 1885	14	No .....	2, 941	50	350	49
Yes .....	1	..... July	1 July	22, 1885	21	No .....	2, 870	250	250	50
Yes .....	1	26 July	1 Aug.	6, 1885	36	No .....	3, 686	80	1, 250	51
Yes .....	3	28 July	1 July	29, 1885	28	No .....	12, 425	150	1, 300	52
Yes .....	3	..... Mar.	30 April	7, 1885	8	No .....	288	170	100	53
No .....	1	..... June	1 Dec.	3, 1885	185	Yes .....	97, 000	500	75, 000	54
No .....	30	14 May	12 May	26, 1886	14	Partly ...	23, 400		50, 000	55
No .....	1	7 Oct.	4 Oct.	11, 1886	7	No .....	70		25	56
Yes .....	3	3 May	24 May	27, 1886	3	No .....	60, 000		36, 000	57
Yes .....	1	10 Oct.	8 Oct.	18, 1886	10	No .....	94, 000		100, 000	58
Yes .....	1	5 Nov.	8 Nov.	12, 1886	5	Yes .....	38, 000		50, 000	59

*Lockouts by Years and Industries—Continued:*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before lockout.			After lockout.			Before lockout.		After lockout.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1881.</b>										
<b>METALS AND METALLIC GOODS.</b>										
44 Employés, barbed wire works.	125	.....	125	125	.....	125	\$1 25	.....	\$1 25	.....
<b>1882.</b>										
<b>TOBACCO.</b>										
45 Cigarmakers	487	.....	487	487	.....	487	1 60	.....	1 60	.....
<b>1884.</b>										
<b>BRICK.</b>										
46 Brickmakers	916	.....	916	916	.....	916	2 73	.....	2 73	.....
47 Brickmakers	781	.....	781	781	.....	781	2 48	.....	1 80	.....
<b>GLASS.</b>										
48 Employés, bottle-glass works..	200	.....	200	200	.....	200	2 25	.....	2 25	.....
<b>1885.</b>										
<b>BRICK.</b>										
49 Brickmakers	45	.....	45	45	.....	45	2 73	.....	2 73	.....
50 Brickmakers	135	.....	135	135	.....	135	2 73	.....	2 73	.....
51 Brickmakers	45	.....	45	45	.....	45	2 73	.....	2 73	.....
52 Brickmakers	188	.....	188	188	.....	188	2 73	.....	2 73	.....
<b>METALS AND METALLIC GOODS.</b>										
53 Horseshoers	17	.....	17	17	.....	17	3 25	.....	3 25	.....
54 Nailers and feeders, nail works	660	.....	660	700	.....	700	2 50	.....	2 25	.....
<b>1886.</b>										
<b>CLOTHING.</b>										
55 Cutters, clothing factory	600	.....	600	600	.....	600	3 67	.....	3 67	.....
<b>COOPERAGE.</b>										
56 Employés	7	.....	7	7	.....	7	1 67	.....	1 67	.....
<b>FOOD PREPARATIONS.</b>										
57 Employés, pork packing establishment.	8,000	.....	8,000	8,000	.....	8,000	2 50	.....	2 50	.....
58 Employés, pork packing establishment.	4,000	.....	4,000	4,000	.....	4,000	2 75	.....	2 75	.....
59 Employés, pork packing establishment.	4,000	.....	4,000	4,000	.....	4,000	2 75	.....	2 75	.....

*Lockouts by Years and Industries.*

EMPLOYEES LOCKED OUT.			EMPLOYEES LOCKED OUT AND INVOLVED.			NEW EMPLOYEES AFTER LOCKOUT.			Bro'ght from other places.	WEEKLY WORKING HOURS.		
Num-ber.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before lockout	After lockout	
	Before.	After.										
125	\$1 25	\$1 25	125	.....	125	100	.....	100	.....	60	60	44
467	1 60	1 60	467	.....	467	183	.....	183	.....	60	60	45
916	2 78	2 78	916	.....	916	.....	.....	.....	.....	42	42	46
731	2 43	1 80	731	.....	731	.....	.....	.....	.....	60	60	47
200	2 25	2 25	200	.....	200	.....	.....	.....	.....	60	60	48
45	2 78	2 78	45	.....	45	.....	.....	.....	.....	42	42	49
135	2 78	2 78	135	.....	135	.....	.....	.....	.....	42	42	50
45	2 78	2 78	45	.....	45	.....	.....	.....	.....	42	42	51
188	2 78	2 78	188	.....	188	.....	.....	.....	.....	42	42	52
17	3 25	3 35	17	.....	17	.....	.....	.....	.....	59	59	53
300	2 50	2 25	300	.....	300	100	.....	100	75	72	72	54
600	3 67	3 67	600	.....	600	.....	.....	.....	.....	60	54	55
7	1 67	1 67	7	.....	7	.....	.....	.....	.....	54	54	56
5,000	2 50	2 50	8,000	.....	8,000	.....	.....	.....	.....	48	48	57
4,000	2 75	2 75	4,000	.....	4,000	.....	.....	.....	.....	48	48	58
4,000	2 75	2 75	4,000	.....	4,000	500	.....	500	500	48	60	59

*Lockouts by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	LOCALITY.	CAUSE OR OBJECT.
<b>1886—Continued.</b>		
<b>MACHINES AND MACHINERY.</b>		
60 Employés, elevator works ....	Chicago .....	To prevent reduction of hours .....
<b>METALS AND METALLIC GOODS.</b>		
61 Employés, iron works .....	Chicago .....	To prevent reduction of hours .....
62 Employés, iron forge .....	Chicago .....	To prevent reduction of hours .....
63 Employés, iron foundry .....	Chicago .....	To prevent reduction of hours .....
64 Employés, iron foundry and machine shop .....	Chicago .....	To prevent reduction of hours .....
65 Employés, stove foundry .....	Chicago .....	To prevent reduction of hours .....
<b>WOODEN GOODS.</b>		
66 Boxmakers .....	Chicago .....	To prevent reduction of hours .....

*Lockouts by Years and Industries—Continued.*

Ordered by organi- zation.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days.)	Suc- ceeded.	EMPLOYEES'—		Employ- ers' loss.	
	Num- ber.	Days closed.					Loss.	Assist- ance.		
No.....	1	9 May	1 May	10, 1886	9	Yes.....	\$3, 600	.....	\$1, 500	60.
No.....	1	10 May	1 May	11, 1886	10	Yes.....	10, 226	.....	1, 200	61
No.....	1	10 May	1 May	11, 1886	10	Yes.....	2, 400	.....	250	62
No.....	1	10 May	1 May	17, 1886	16	Yes.....	3, 500	.....	1, 000	63.
No.....	1	14 May	1 May	15, 1886	14	Yes.....	1, 200	.....	.....	64
No.....	1	17 May	1 May	18, 1886	17	Yes.....	13, 125	.....	1, 500	65.
No.....	1	21 May	1 May	22, 1886	21	No.....	5, 265	.....	5, 000	66.

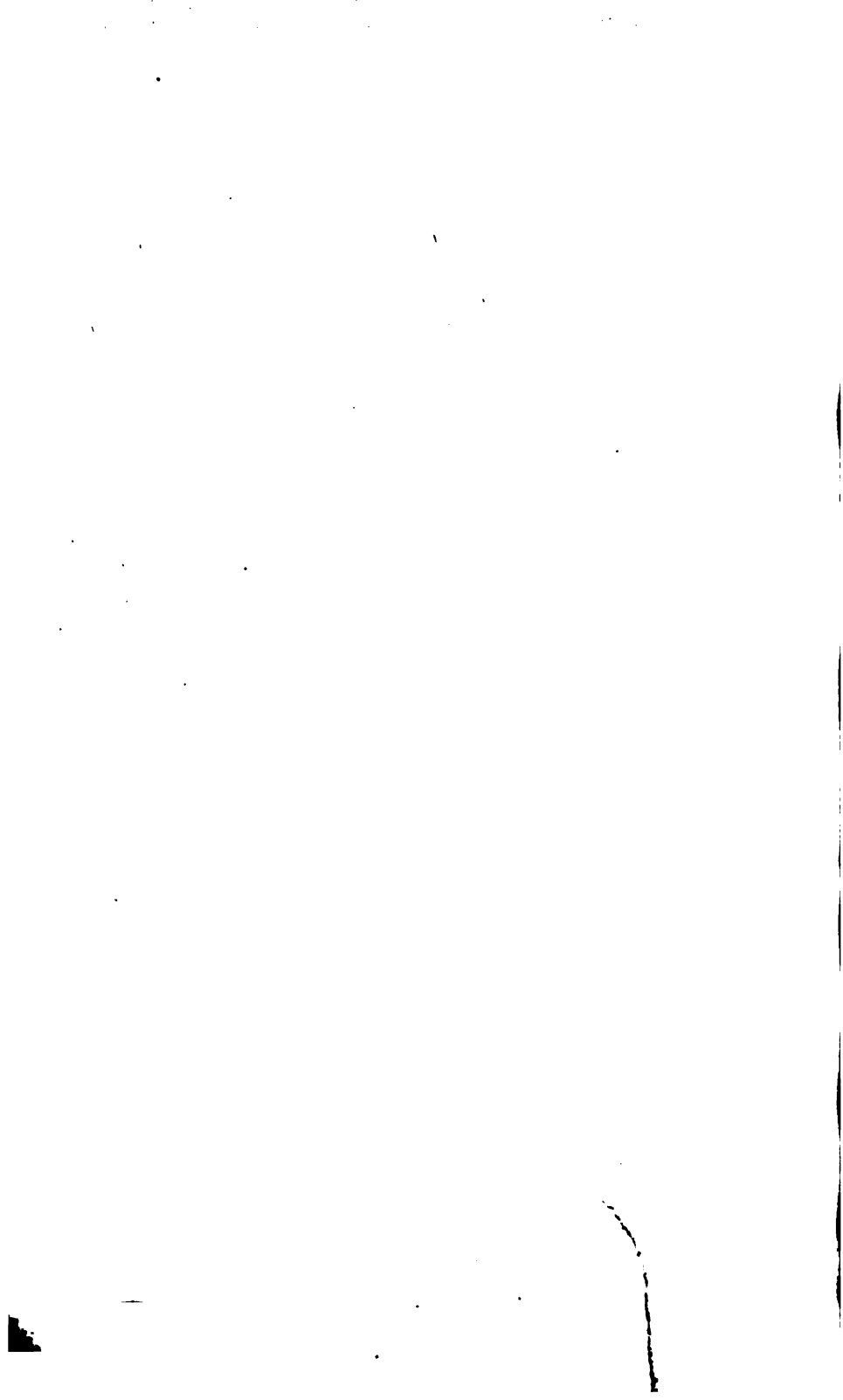
*Lockouts by Years and Industries—Continued.*

YEARS AND INDUSTRIES.	NUMBER OF EMPLOYEES.						AVERAGE DAILY WAGES.			
	Before lockout.			After lockout.			Before lockout.		After lockout.	
	Male.	Fem.	Total	Male.	Fem.	Total	Male.	Fem.	Male.	Fem.
<b>1886—Continued.</b>										
<b>MACHINES AND MACHINERY.</b>										
60 Employés, elevator works . . .	200	.....	200	200	.....	200	\$2 25	.....	\$2 25	.....
<b>METALS AND METALLIC GOODS.</b>										
61 Employés, iron works . . . . .	650	.....	650	650	.....	650	1 75	.....	1 75	.....
62 Employés, iron forge . . . . .	150	.....	150	150	.....	150	2 00	.....	2 00	.....
63 Employés, iron foundry . . . . .	100	.....	100	100	.....	100	2 50	.....	2 50	.....
64 Employés, iron foundry and machine shop . . . . .	41	.....	41	41	.....	41	2 45	.....	2 45	.....
65 Employés, stove foundry . . . . .	350	.....	350	350	.....	350	2 50	.....	2 50	.....
<b>WOODEN GOODS.</b>										
66 Boxmakers . . . . .	180	.....	180	180	.....	180	2 25	.....	2 25	.....

*Lockouts by Years and Industries—Concluded.*

EMPLOYEES LOCKED OUT.			EMPLOYEES LOCKED OUT AND INVOLVED.			NEW EMPLOYEES AFTER LOCKOUT.			Bro't from other places.	WEEKLY WORKING HOURS.	
Number.	Daily pay.		Male.	Fem.	Total.	Male.	Fem.	Total.		Before lockout	After lockout
	Before.	After.									
200	\$2 25	\$2 25	200	.....	200	.....	.....	.....	.....	60	60 60
650	1 76	1 76	650	.....	650	.....	.....	.....	.....	60	60 61
150	2 00	2 00	150	.....	150	.....	.....	.....	.....	60	60 62
100	2 50	2 50	100	.....	100	.....	.....	.....	.....	60	60 63
41	2 45	2 45	41	.....	41	.....	.....	.....	.....	60	60 64
350	2 50	2 50	350	.....	350	.....	.....	.....	.....	60	60 65
130	2 25	2 25	130	.....	130	.....	.....	.....	.....	60	55 66





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PART III.

STATISTICS OF COAL MINING IN ILLINIOS.

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THE REPORTS OF THE STATE INSPECTORS OF MINES.

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## COAL IN ILLINOIS.

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This is the seventh annual compendium of the statistics of coal production in Illinois. It is based upon the reports of the several state inspectors of mines made under instructions from this bureau, and contains not only the reports themselves, with uniform and parallel statistics from each district, but also such summaries and deductions from the same concerning the whole State as the details of districts justify.

In brief the inspectors' reports afford specific information as to the physical characteristics of each mine, the methods of development and the mechanical equipment of each; the statistics of employes and of their wages, and of production and prices; the record of casualties and of measures to prevent them; the opening of new mineral and the closing of exhausted mines; and in general, the progress made in enforcing the legal regulations governing this industry. As a complement to these details an abstract is presented summarizing the conclusions and statistics for the State at large, affording concise information for the year, and opportunities for comparison with the results of former years.

It has also been the custom of the bureau to present with each year's routine statistics the details of some of the special features of coal mining in Illinois; and in pursuance of this practice former reports have contained special reference to the character of the coal and coal measures of the State; to the arrangement and ventilation of mines; to the number, character and influence of so-called truck stores; to the statistics of explosives and of the quantity required in the various seams and systems, and to the dimensions of the screens used by operators in this State in preparing their coal for market.

For the present report a special inquiry has been instituted concerning the use of mining machines in the various coal fields of the State, the results of which are hereafter presented in their proper connection.

### THE RECORD FOR 1888.

The summaries showing the actual volume of coal business done in this State during the year ending July 1, 1888, and the number of men, and of establishments, and of days required to do it; the revenue to miners and proprietors derived from it; and the cost of it to the community in human lives, impaired and lost, are as follows:

Number of counties reported.....	50
Number of mines and openings of all kinds.....	833
Number of tons of lump coal mined.....	11,855,188
Aggregate value of the same at the mines.....	\$13,309,030
Average value per ton at the mines.....	\$1.123
Number of employés of all kinds.....	29,410
Number of miners employed.....	23,648
Number of other employés (including boys).....	5,762
Number of boys employed under ground.....	868
Average number of days of active operations.....	220.6
Number of kegs of powder used.....	190,710
Average price paid per ton for hand mining.....	\$0.716
Number of men killed.....	55
Number of wives made widows.....	28
Number of children made fatherless.....	89
Number of men injured so as to lose time.....	179
Number of tons mined for each life lost.....	215,549
Number of employés for each life lost.....	535
Number of new mines.....	99
Number of mines abandoned.....	94
Number of mining machines in use.....	272

These figures show an output greater by a million and a half tons than has ever before been attained in this State; a somewhat better average price for the same, and an increase in working force corresponding with the greater amount of work done. This indicates, however, not so much an increase in the number or

capacity of the mines of the State, as an enlargement of opportunities to market the product; in other words, those favorable conditions which constitute a good season, and afford a fair chance for the mines already open. The capacity of existing mines in this State is in fact largely in excess of any demand which has yet been made upon them, and there is every present prospect that this disparity will be maintained, as the development of new mines quite keeps pace with, if it does not exceed, any increase which may be legitimately anticipated in the demand.

There has been a marked tendency during the year to enlarge the operations of existing companies and to organize new ones for the further development of such seams as are of established location and character. Something of this is observable in the northern fields adjacent to the recently acquired territory of the Spring Valley company. In this field the Chicago, Wilmington and Vermilion company has secured a foothold for operations auxiliary to their extensive enterprises at Streator and Braidwood; and a new company from a neighboring state, the Whitebreast Fuel Company, has also acquired property here and has encountered and overcome great obstacles in sinking to the superior lower seam of this region.

Still greater activity in original enterprises has characterized some points in the central and southern portions of the State. Shafts have been sunk in McLean county, at Colfax, Saybrook, Maroa and Lexington, and with notable success at Colfax, where a coal of good quality is found. The thickness and excellence of the seam at Pana, in Christian county, has especially stimulated operations at that point and in that vicinity. Two new companies have been organized and are advancing their works at Pana, and others are sinking or prospecting at the neighboring towns of Taylorville, Oconee, Ramsay, Coffeen, Moawequa and Assumption. The coal in this field is probably from 500 to 800 feet below the surface, and is seven or eight feet in thickness. Operations are predicated upon its being substantially uniform and persistent throughout that region, though it has not been found in place at Assumption.

In Marion county, some fifty miles or more south of this, there have been several very deep shafts sunk to coal recently, viz.: at

Odin, Salem and Kinnmundy, and the projectors of these enterprises are now ready to compete in the market with the older collieries at Centralia and Sandoval. Still farther south in Perry and Jackson counties, notably in the vicinity of Elkville, desirable tracts of coal land have during the year been taken up for the purpose of immediate development, and indications point to a material increase in the output of coal from that field.

There has been a revival of prospecting and of development at other points, as well as some exhaustion and abandonment of mines, the statistics of which are found in the inspectors' tables; but in general the tendency is towards an increased production. This may be ascribed to several causes, conspicuous among which, no doubt, is the degree of prosperity which has attended the business during the year, and the impression which that begets that a coal mine is an unfailing source of wealth to its owners; beyond that is the broader view that this State, by its location and established wealth of mineral, must be the natural source of supply for an extended territory; that the coal of western States will prove a diminishing factor in the markets of the northwest, and that natural gas and crude oil will prove less formidable competitors as commercial fuel than had been supposed.

#### THE NUMBER AND CHARACTER OF MINES.

In the foregoing summary the whole number of mines and openings of every kind is given as 833; of these, however, 11 are found to be so-called "strippings," where the coal, lying near the surface, is uncovered and quarried, and they are consequently dropped from the classification of mines proper, leaving a total of 822. This shows an increase of 21 over the number reported for 1887. Of these 21 mines, 8 are found to be mines of the first class, or those which produced more than 50,000 tons, and 13 to be of the second class, or those which produced from 10,000 to 50,000 tons. In mines of the third class there are 7 mines less, and in those of the fourth class 7 mines more than in the year preceding, which equalizes the whole number in these two classes.

Following the classification in former reports, and including the tabulations made for former years, the following comparative statement is made of the relative number and relative product of the coal mines of the State for a series of six years:

YEARS.	No. of mines producing less than 1,000 tons.	No. of mines producing from 1,000 to 10,000 tons.	No. of mines producing from 10,000 to 50,000 tons.	No. of mines producing over 50,000 tons.	Total number of mines.
1883 .....	209	283	185	62	639
1884 .....	262	278	146	60	741
1885 .....	286	290	139	63	778
1886 .....	316	280	136	57	787
1887 .....	320	278	139	64	801
1888 .....	327	271	152	72	822

This shows a continual increase in the number of mines during a period of six years, and at present 183 more mines than in 1883. Ten of these are mines of the first class, 17 of the second class, 38 of the third class and 118 of the fourth class. This classification is not based on the capacity but upon the actual product, so that it is not exact as to what might be produced by the several establishments under favorable conditions. The same rule, however, has been applied to the separation of mines in each year so that the relative showing is true.

That the mere enumeration of the places where mineral is found and taken for use, signifies very little unless some indication is given as to their relative capacity, is made apparent upon a comparison of the relative tonnage of the several groups of so-called mines in this table. Here are 598 mines of the two smaller classes whose total output is only about 8 per cent. of the whole; while the 72 mines of the first class produce over 60 per cent., and the 224 mines of the two larger classes produce 92 per cent. of all the coal mined in the State. Below is a statement of the relative product of the several classes of mines for the last two years:

YEARS.	MINES PRODUCING MORE THAN 50,000 TONS.		MINES PRODUCING FROM 10,000 TO 50,000 TONS.		MINES PRODUCING LESS THAN 10,000 TONS.		TOTAL NUMBER OF MINES.	
	No.	Tons.	No.	Tons.	No.	Tons.	Total No.	Total Tons.
1887 .....	64	5,949,894	139	3,270,681	598	1,068,315	801	10,278,890
1888 .....	72	7,188,507	152	3,666,324	598	1,000,357	822	11,855,188



It is observed here that, the gain both in mines and in tonnage is in the more important classes, while the output of the mines grouped in the lower classes is, in the aggregate, somewhat less than for the year preceding. But it is also true that a portion of the mines which produced less than 10,000 tons in that year would in a good season so increase their product as to gain position in a higher class. This doubtless explains the fact that there are fewer mines in the third class and more in the second than in the former year. The five mines from which were delivered the greatest number of tons of coal during the year are the following:

FIVE MINES SHOWING LARGEST OUTPUT FOR 1888.	TOWN.	COUNTY.	DIST.	OUTPUT.
			No.	Tons.
Chicago, Milwaukee & St. Paul Coal Co. No. 2.....	Braceville. ....	Grundy.. ...	1	213,495
Chicago, Wilmington & Vermilion "J" .....	Braidwood ....	Will.....	1	210,190
Chicago, Wilmington & Vermilion No. 3.....	Streator. ....	Livingston ..	1	209,829
Spring Valley Coal Co. No. 1.....	Spring Valley.	Bureau .....	2	203,700
Spring Valley Coal Co. No. 2.....	Spring Valley.	Bureau .....	2	203,500
Total tons .....	.....	.....		1,120,714

These are the only mines from which were hoisted 200,000 tons or more during the year, and the first of these has been distinguished for a number of years as the greatest producer in the State.

#### THE OUTPUT FOR THE YEAR.

The whole number of tons of lump coal delivered from the mines of Illinois during the year ended July 1, 1888, was 11,855,188. This is 1,576,298 tons more than the output for the year preceding, and more than that of any other year in the history of the State. The following are the summaries for the total production of coal in Illinois, in tons of 2,000 pounds of lump coal, for a series of eight years:

1880.....	6,115,377 tons	1885.....	9,791,874 tons
1882.....	9,115,658 "	1886.....	9,246,425 "
1883.....	10,030,991 "	1887.....	10,378,890 "
1884.....	10,101,005 "	1888.....	11,855,188 "

These totals have been compiled from exact data procured by this bureau for each of the foregoing years except 1880, for which year the total given was compiled by the United States census

officials. This presentation is noteworthy not only as indicating the unusual activity in mining enterprises in 1888, but equally as showing the depression in this business during the years 1885 and 1886.

The foregoing totals represent, as indicated, the total tonnage in the commercial grade known as lump coal, but there is at every mine a product known as nut coal, which is obtained by dumping the coal as it comes from the mine over a screen in order to sift out the slack and small coal made in the mine, and prepare the lump coal better for market; underneath the first is a second screen which separates the slack from the nut coal, which is thus also prepared for market, and makes an excellent fuel. The proportion of nut coal thus obtained depends of course upon the dimensions of the screen, and varies widely in different parts of the country and of this State. Recent official statistics of coal production in Ohio give as the amount of screenings, nut, pea coal and slack, "sold and shipped" in that State in 1887 a total tonnage equal to 30 per cent. of all the lump coal produced. If to this be added the portion of slack not sold and shipped, the total of screenings taken from the miners' output in Ohio would seem to be 35 or 40 per cent. of all the coal mined, of which 30 per cent. is sold and shipped. The screens of this State, however, do not permit any such portion of the total product to pass through them, and rarely admit of making pea coal at all. In fact the statistics of screen dimensions, as compiled and published in a recent report of this bureau, establish the fact that the proportion of nut coal made in this State is equal to 13 per cent. of the lump coal product. It is proper, therefore, that this increment should receive recognition, especially in making comparisons with other States, or in computing the total contribution of this State to the fuel supply of the country. Omitting the consideration of slack altogether, as an uncertain and inconsiderable element in the commercial product, and adding to the total tons of lump, as given, 13 per cent. for other forms of merchantable screenings, and the output of this State is increased from 11,855,188 tons to 13,396,362 tons, which is doubtless very nearly the true tonnage consumed. Formerly the proportion of screenings was larger in this State than now, and in future it is believed it will be less, as the tendency is towards a reduction in the size of screens. At

present 65 per cent. of the coal mined in this State is screened over bars seven-eighths of an inch apart, which is regarded as a standard and legitimate screen.

The gain in the output in 1888 is found to have been made in the following amounts in the several districts: In the first district 190,965 tons; in the second district 224,160 tons; in the third district 410,726 tons; in the fourth district 286,247 tons, and in the fifth district 464,198 tons. The largest gain in any one county was in Bureau county, which produced 205,519 tons more than in the year preceding; there was a gain, however, of 166,430 tons in St. Clair county; 162,622 tons in Macon county, and large gains in Vermilion, Fulton, Livingston and other counties; while in LaSalle county the product was 34,800 tons less than in 1887. St. Clair county ranks as the greatest producer of coal in 1888. The ten foremost counties with their respective tonnage are as follows:

1. St. Clair.....	1,184,579 tons	6. Bureau.....	635,097 tons
2. LaSalle.....	1,090,435 "	7. Peoria.....	533,817 "
3. Macoupin.....	1,016,624 "	8. Madison.....	512,948 "
4. Grundy.....	862,866 "	9. Vermilion.....	499,076 "
5. Sangamon.....	764,970 "	10. Livingston.....	496,386 "

The output of each county for the two years, 1887 and 1888, and the gain or loss of each, and of the several districts, in the latter year, is given in detail in the following table:

COUNTIES.	1887.	1888.	COUNTY.		DISTRICT.
	Output, tons.	Output, tons.	Gain, tons.	Loss, tons.	Netgain, tons
FIRST DISTRICT.....	2,686,829	2,877,794	240,765	49,800	190,965
Counties..... 5					
Grundy.....	792,954	862,866	69,912		
Kankakee.....	97,000	82,000		15,000	
LaSalle.....	1,125,235	1,090,435		34,800	
Livingston.....	387,600	495,888	107,788		
Will.....	284,040	347,105	63,065		
SECOND DISTRICT.....	1,069,027	1,293,187	273,382	49,222	224,160
Counties..... 11					
Bureau.....	429,580	635,097	205,517		
Hancock.....	6,308	6,515	307		
Henry.....	117,533	108,831		8,702	
Knox.....	64,324	57,043		7,281	
Marshall.....	73,929	87,013	13,085		
McDonough.....	110,103	104,274		5,829	
Mercer.....	127,708	167,931	40,223		
Rock Island.....	85,282	57,872		27,410	
Schnyler.....	22,636	34,403	11,717		
Stark.....	17,865	18,690	825		
Warren.....	13,810	15,518	1,708		

Table—Continued.

COUNTIES.	1887.	1888.	COUNTY.		DISTRICT.
	Output, tons.	Output, tons.	Gain, tons.	Loss, tons.	
<b>THIRD DISTRICT</b> .....	1,781,395	2,192,121	485,816	24,590	410,736
Counties .....	9				
Cass .....	2,325	7,800	4,975		
Fulton .....	337,215	461,589	124,374		
Logan .....	159,000	174,390	15,390		
McLean .....	141,700	117,110		24,590	
Menard .....	155,621	181,075	25,454		
Peoria .....	452,123	533,817	81,694		
Tazewell .....	51,847	59,324	7,477		
Vermillion .....	359,119	499,076	139,957		
Woodford .....	192,445	158,500	36,055		
<b>FOURTH DISTRICT</b> .....	2,568,291	2,854,540	306,218	19,969	286,249
a Counties .....	14				
Bond .....	36,076	39,200	2,124		
Calhoun .....		1,086	1,086		
Christian .....	149,973	147,080		2,943	
b Coles .....	34,612	27,210		7,402	
Greene .....	12,578	14,494			
Jersey .....	2,684	3,949	1,916		
Macon .....	118,188	260,905	1,265		
Macoupin .....	926,588	1,016,624	162,622		
Madison .....	521,705	512,948	90,086		
Montgomery .....	10,220	14,295		8,757	
Morgan .....	6,669	12,545	4,075		
Sangamon .....	730,891	764,970	5,876		
Scott .....	9,802	12,491	84,579		
Shelby .....	8,810	7,943	2,689		
<b>FIFTH DISTRICT</b> .....	2,173,348	2,637,546	477,515	13,817	464,198
Counties .....	11				
Clinton .....	55,298	66,468	11,225		
Gallatin .....	31,437	45,374	13,937		
Johnson .....	28,000	28,210	210		
Jackson .....	375,718	445,575	69,857		
Marion .....	93,915	156,975	58,060		
Perry .....	318,552	306,235		13,817	
Randolph .....	74,263	167,321	98,058		
Saline .....	19,518	32,550	13,032		
St. Clair .....	1,018,149	1,184,579	166,430		
Washington .....	40,220	43,600	3,380		
Williamson .....	112,338	160,664	48,326		
a Counties .....	50				
State totals .....	10,278,890	11,855,188			1,576,268

a Edgar and Jasper counties, each having one mine not operated, not included.

b The output of one mine which was abandoned in February, 1888.

Although, as has been shown, an exact enumeration gives 833 as the whole number of openings from which coal is taken, yet comparatively few of these can take rank as establishments of the first magnitude. An examination on this line shows that somewhat more than half the total product is mined by 21 of the great companies, from 85 mines, situated in 45 towns and villages, in 21 counties, and is the result of an average of 227.2 days' operations. The details of this general statement are presented in the following table showing the title, field of operations, and output of the more conspicuous producers:

*Statistics of the Productions of Twenty-one Leading Coal Companies in Illinois.*

Name of Company, Firm or Individual owning Mine.	LOCATION.		Number of miles.	Output—Tons ....	Number of miners	Number of other employes.....	Average number days worked.....
	Town.	County.					
Consolidated Coal Co.....	d.....	d.....	a 43	2,114,339	2,741	624	211
Chl., W. and V. Coal Co.....	e.....	e.....	b 6	874,917	1,840	446	208
Spring Valley Coal Co.....	Spring Valley	Bureau	3	545,800	1,300	400	250
Chicago, M. & St. P. Coal Co	Braceville.....	Grundy	2	278,522	620	280	217
St. Louis Ore & Steel Co.....	Murphysboro.....	Jackson	2	250,555	314	12	247
Taylor Williams .....	f.....	f.....	5	236,530	665	146	237
Star Coal Co.....	Kangley.....	LaSalle	2	165,162	405	90	233
Wilmington C. M. & M. Co.	Diamond.....	Grundy	1	155,390	300	50	200
Wilmington Star Man'g Co.	Coal City.....	"	2	153,725	415	98	176
Decatur Coal Co.....	Decatur.....	Macon	2	151,071	245	115	236
Pana Mining Co.....	Pana.....	Christian	2	146,606	90	54	144
City Coal Co.....	Niantic.....	Macon	1	129,794	194	38	209
Girard Coal Co.....	Girard.....	Maconpin	1	127,219	140	20	265
Chicago & Minonk Coal Co.	Minonk.....	Woodford	1	127,000	200	60	265
LaSalle Co. Carbon Coal Co.	LaSalle.....	LaSalle	3	126,682	353	125	181
McLean County Coal Co.....	Bloomington.....	McLean	1	116,260	300	60	280
Coal Valley Mining Co.....	Cable.....	Mercer	2	105,630	306	139	176
Emmerson & Co.....	g.....	Fulton	2	104,172	185	28	155
Union Coal Co.....	Peru.....	LaSalle	1	103,835	263	115	300
Illinois Valley Coal Co.....	Oglesby.....	"	1	100,877	180	73	300
Grape Creek C. and C. Co..	Grape Creek.....	Vermillion	3	100,560	298	44	194
Co's and firms owning ....	Towns..... 45	Counties.. 21	85	6,212,566	11,344	2,965	257
Individuals..... 1		Per cent. totals	....	52.4	48	51.5	.....
21							

a Includes one mine abandoned in March, 1888. Output, 16,877 tons.

b Includes one mine abandoned permanently this year. Output, 73,418 tons.

c Includes one mine abandoned this year. Output, 16,463 tons.

d Mines located as follows: Vermillion county, Danville, 3. Macoupin county, Staunton, 3. Mt. Olive, 4; Gillespie, 1; Clyde, 1, and Carlinville, 1. Madison county, Collinsville, 2; Troy, 2, and Worden, 1. Clinton county, Trenton, 1. Randolph county, Coulterville, 1. St. Clair county, Birkner, 2; Marietta, 2; Ridge Prairie, 1; Collinsville, 1; Belleville, 13; Lebanon, 1; Lenzburg, 1. and Heinrich, 1. Washington county, Nashville, 1.

f Mines located as follows: Grundy county, Gardner, 1. Kankakee county, Clark City, 1. Fulton county, St. David, 1, and Norris, 1. Rock Island county, Rapids City, 1.

e Mines located as follows: Grundy county, Braidwood, 1. Will county, Braidwood, 2. LaSalle county, Streator, 2. Livingston county, Streator, 1.

g One mine at Astoria, and one at Dumfermline.

### VALUE OF COAL AT THE MINES.

The average value, at the mines, of the coal produced during the past year, as derived from the reports of operators, and computed for the total output of the State, is found to have been \$1.123 per ton. For the year preceding the average value was \$1.085 per ton, and for the year before that, 1886, it was \$1.11 per ton,—the average for this year being somewhat better than for

two years past. This is the first year since 1880 in which there has not been a decline from the average value of the former year. In fact, the tendency has been uniformly, and not always gradually, downward for the last 15 years, though the statistics of the subject do not go beyond 1880. From that date to 1887, the home value of coal, averaged for the State at large, declined from \$1.51 per ton to \$1.085 per ton; the tonnage meanwhile increased from six to ten millions. During the past year, however, with an output greatly in excess of that of any other year, there has also been some tendency to firmer prices, or at least a check to the continuous and long sustained decline. This reaction has characterized all the districts except the second in which the average value is reported  $2\frac{1}{2}$  cents a ton less than in 1887. In the first district however the gain in average value is 4.07 per cent.; in the third district, 3.96 per cent.; in the fourth, 6.76 per cent.; and in the fifth, 4.19 per cent., making the average gain for the State 3.46 per cent. Below is given the result of similar computations, for districts and the State, for a series of seven years.

*Average Value of Coal per ton (2,000 pounds) at the Mines.*

Districts.	1882.	1883.	1884.	1885.	1886.	1887.	1888.
First.....	\$1 75	\$1 59	\$1 49	\$1 41	\$1 32	\$1 316	\$1 3696
Second.....	1 87	1 97	1 79	1 71	1 57	1 497	1 4735
Third.....	1 43	1 45	1 31	1 25	1 16	1 085	1 1334
Fourth.....	1 23	1 22	1 09	.985	.969	.897	.9470
Fifth.....	1 31	1 26	.961	.894	.862	.823	.8575
The State.....	\$1 51	\$1 48	\$1 26	\$1 17	\$1 10	\$1 085	\$1 1226

These averages have been computed similarly and from parallel data for each year, and although they cannot be exact as to the prices actually received, are in general true, as to prevailing values and the tendency of the market.

**PRICES PAID TO OPERATIVES FOR MINING.**

Heretofore all statistics on the subject of wages paid to miners in this industry have been confined to the prices paid per ton to hand-miners, as distinguished from those who work with and about machines. During the past year some facts have been

taken concerning the labor cost of coal produced by machines, and the prices for mining are consequently considered now for the first time under both systems.

### HAND-MINING.

The average rate per ton paid for mining coal with the common pick, including blasting, timbering and loading, for the State at large, for 1888, as deduced from the specific amounts produced and prices paid in each locality, is 71.7 cents, while the corresponding rate for the year preceding was 72.7 cents, a decline of one cent per ton. While this is true of the State, however, there are fractional gains in the prices of mining in the third, fourth and fifth districts, which are somewhat more than offset by a slight decline in the first and second districts; all these variations, however, are so insignificant as to practically leave the prices unchanged from those of 1887. The following table shows the averages of prices paid for hand-mining, in each district, and the State, for a period of six years:

*Average prices paid per ton for hand-mining 1883 to 1888.*

Districts.	1883.	1884.	1885.	1886.	1887.	1888.
First.....	\$0.917	\$0.906	\$0.867	\$0.859	\$0.891	\$0.886
Second.....	.988	1 00	.941	.927	.927	.9181
Third.....	.875	.873	.814	.729	.688	.7053
Fourth.....	.71	.694	.62	.573	.576	.6136
Fifth.....	.619	.60	.511	.501	.587	.5536
The State.....	.802	.788	.726	.676	.727	.7171

This shows the lowest price to have been reached in 1886, the year in which, also, the smallest aggregate of coal was produced.

Following is a combination of the results shown in the foregoing tables of values and prices, in which the ratio is brought out between the principal factor in the cost of production and the value of the product.

*Average Value of Coal and Average Prices for Mining.  
1883—1888.*

DISTRICTS.	1883.		1884.		1885.		1886.		1887.		1888.	
	Average value of coal .....	Average price of mining .....	Average value of coal .....	Average price of mining .....	Average value of coal .....	Average price of mining .....	Average value of coal .....	Average price of mining .....	Average value of coal .....	Average price of mining .....	Average value of coal .....	Average price of mining .....
First .....	\$1.59	\$0.917	\$1.40	\$0.906	\$1.41	\$0.867	\$1.32	\$0.859	\$1.316	\$0.891	\$1.3696	\$0.8886
Second .....	1.97	.963	1.79	1.00	1.71	.941	1.57	.927	1.497	.927	1.4735	.9181
Third .....	1.45	.875	1.31	.873	1.25	.814	1.16	.729	.095	.688	1.1884	.7055
Fourth .....	1.32	.71	1.09	.694	.985	.62	.969	.573	.887	.576	.9470	.6136
Fifth .....	1.26	.619	.961	.60	.894	.511	.862	.501	.823	.537	.8575	.5536
The State.....	1.46	.802	1.26	.738	1.17	.725	1.11	.676	1.085	.727	1.1226	.7171
Ratio of the price of mining to the value of coal....	54%		62%		63%		61%		67%		64%	

The foregoing deductions point to the general conclusion, that as the value of product and the price paid for mining decrease, the share of the total value which the miner receives increases. In the last year this share appears as 64 per cent. as against 67 per cent. the year preceding, because of the fact that the movement was not uniform in values and prices,—the former having increased about four cents per ton while the latter decreased one cent per ton. It should be borne in mind that these figures refer only to prices paid for mining with the hand-pick, and such labor as that system implies. Somewhat more than 80 per cent., however, of all the coal produced in this State is at present mined by hand.

#### MINING WITH MACHINES.

The process of mining coal has from the earliest period been exclusively a hand-process, and that of the ruder sort, requiring strength and endurance rather than a high order of skill; and the conditions under which it is necessarily performed have seemed, until recently, to defy the application of power machinery to this industry. In recent years, however, this process has been attempted, and in a measure successfully accomplished, by means of machines driven by compressed air, which perform the under-cut-



ting of the coal in a manner very similar to that of the miner with a pick, though with greater rapidity, and, where the conditions are favorable, at a less cost per ton to the operator of the mine. The most successful of these machines was invented in this State, and has been introduced and is now in use at so many of the principal mines, that a special inquiry as to the present development of machine-mining, and the peculiarities of employment which it involves, has been made for this report.

The statistics of the subject, briefly stated, are, that during the year 1888, there were 272 mining machines in use in this State and that with them 3,088 men produced 2,243,210 tons of lump coal; in other words, nearly 20 per cent. of the whole output was mined by machines, operated by 10 per cent. of all the men. Of these machines 245 are of the Harrison patent, 17 are the Legg or Lechner machines, and 10 are Yock machines. Distributed geographically, 218 machines are in use in the fourth and fifth districts, embracing the central and southern portions of the State and with them 2,673 men produced 2,055,895 tons; that is to say, 80 per cent. of the machines, employing 86 per cent. of the men and producing 92 per cent. of the coal mined by machines are in this territory. Tabulated in detail the distribution is as follows:

DISTRICTS.	NUMBER AND KINDS OF MACHINES IN USE.			Total tons produced.	Number of men employed.
	Harrison.	Legg.	Yock.		
First district .....	30	3	.....	151,518	962
Second district .....	6	2	.....	4,735	79
Third district .....	8	5	.....	31,062	94
Fourth district .....	114	6	.....	1,112,002	1,230
Fifth district .....	87	1	10	943,893	1,433
The State .....	245	17	10	2,243,210	3,088

In many places the use of mining machines has been largely experimental during the year, so that the reported results as summarized do not always afford a true index of their capacity at steady work. This is especially true of the second and third districts, in the former of which the machines reported have been used in driving entries and in other irregular or special work, while in the third, the use of the machines has not been sufficiently uniform to make

a fair showing for an entire year. In the first, fourth and fifth districts the machines have had the most extended trial and the results show more fully what may be expected of them under favorable conditions. Grouping the figures in these districts, it is found that 251 machines, operated by 2,915 men, have produced 2,207,413 tons, or 757 tons per man, and 8,795 tons per machine. But the coal in the first district is not much more than half the thickness of that in the other two, consequently the product per man and machine should be correspondingly less. Computed separately, the product in the first district is 626 tons per man, and 4,591 tons per machine; while in the other two it is 761 tons per man and 9,431 tons per machine. An exact deduction as to the performance of these machines can only be made, however, upon a consideration of the actual number of days in the year in which they were operated. This does not appear definitely in the schedules for the reason that the working time for the machines is not separated from that of men mining by hand. It is sufficiently established, however, that there are advantages in the use of machines under favorable conditions, but that they cannot be uniformly applied with profit. The specific facts concerning the use of machines in the several districts may be learned from the reports of the inspectors.

The advantages derived from machinery in mines are very much the same as those which flow from the use of machinery everywhere. They consist not only in the greater execution of the machine, but in the subdivision of labor which it involves, and the greater *per capita* efficiency of the force thus secured. The gain is consequently to the employer rather than to his men. The mining machine is in fact the natural enemy of the coal miner; it destroys the value of his skill and experience, obliterates his trade, and reduces him to the rank of a common laborer or machine driver if he remains where it is. The older miners cannot readily adjust themselves to the change, and seek other fields; if possible, those where the machine cannot come. The younger men remain and adapt themselves to the peculiar forms of endurance which the machine demands, or devote themselves to the development of special skill in some of the new divisions of labor which it creates.

The mining machine not only revolutionizes the methods of work, but it equally changes the system of wages. The coal miner proper takes his own tools into the pit, and undertakes to deliver from the wall of mineral before him certain tons of coal ready for market, for a certain sum per ton. His earnings depend upon himself, and the better the man the better the pay. He mines and drills and blasts and loads his own coal, timbers his own roof, takes care of his own tools, and is responsible mainly to himself both for his personal safety, and the amount of his output.

In the machine mine it takes seven or eight men to perform these various functions, and, in the mine as in the mill, the machine is the master and the men are its servitors. The operator of the mechanism simply directs its energies, when the motive power is given to it, and the coal is undercut or mined; the blaster follows with drills and explosives to loosen the mass; the loaders reduce it and shovel it into pit-cars; the timbermen follow and prop the roof which no longer has the mineral to rest upon; laborers assist in every process, and a machinist is retained for repairs. Each one does his certain portion of the work and no more, and doubtless does it better as well as faster by reason of his greater skill thus acquired; but this is only one small talent at the best, and chiefly consists in that sort of activity and hardness, which is common to all good workmen, and which qualifies any good workman to take his place. Herein lies the chief value of the machine to the mine owner. It relieves him for the most part of skilled labor, and of all the restraints which that implies; it opens to him the whole labor market from which to recruit his forces, it enables him to concentrate the work of the mine at given points, and it admits of the graduation of wages to specific work, and the payment of wages by the day. These conditions signify a more effective organization of the working force, and doubtless reduce the ultimate cost of production, even though the output be not materially increased.

On the other hand the system is not without advantages to those actually employed under it, though the old hand-miner be in many instances displaced. To them accrues the benefit of having the explosives handled and the blasting done by experts, and of having the roof properly and uniformly supported by skilled timber-

men, thus reducing the personal danger which often arises under the old system from the incompetence or carelessness of fellow-miners; for the present also the machine mines are offering somewhat more steady work, and there is, in the gradations of employment and of pay, a measure of incentive to attain the better positions. These however are mere incidentals; the direct and great advantages of the machine accrue to the mine owner, and this invention will do no more than others before it to lighten the labors of the man who uses it, or to make it easier or pleasanter for him to live.

The terms of employment and the subdivisions of labor under the system inaugurated by the machine process of mining is set out in the following table:

## Labor and Wages

NAME OF COMPANY, FIRM OR INDIVIDUAL OPERATING MINES.	LOCATION OF MINES.	Number of mines ....	Thickness of seam in feet and inches. ....	Kind of mine—Long- wall or Pillar and Room .....	MACHINES.			Number of men em- ployed cutting and hauling coal. ....
					Harrison. ....	Logg. ....	Yock. ....	
Carbondale Coal Co. ....	Murphysboro. ....	1	6.	P. R.	.....	.....	6	75
Cartersville Coal and Coke Co.	Cartersville. ....	1	9.6	"	.....	1	.....	151
Chi., Wll. & Vermilion C. Co.	Streator. ....	1	5.6	"	20	.....	.....	112
Consolidated C. Co. of St. L.*	Belleville. ....	5	7.8	"	27	.....	1	379
"	Birkner. ....	2	6.6	"	12	.....	.....	182
"	Clyde. ....	1	7.6	"	8	.....	.....	79
"	Collinsville. ....	3	6.11	"	26	.....	.....	434
"	Gillespie. ....	1	7.6	"	11	.....	.....	113
"	Marissa. ....	1	6.6	"	4	.....	.....	61
"	Mt. Olive. ....	2	7.9	"	23	.....	.....	211
"	Ridge Prairie. ....	1	6.	"	6	.....	.....	72
"	Staunton. ....	2	7.3	"	30	.....	.....	285
"	Trenton. ....	1	5.3	"	9	.....	.....	196
"	Troy. ....	1	6.	"	7	.....	.....	81
Crystal Plate Glass Co. ....	Cartersville. ....	1	9.6	"	4	.....	.....	108
Emmerson & Co. ....	Dumfermline. ....	1	4.	"	.....	1	.....	42
Gartside Coal Co. ....	Murphysboro. ....	1	6.6	"	.....	.....	3	16
Grape Creek Coal Co. ....	Grape Creek. ....	1	6.8	"	.....	4	.....	42
Illinois Fuel Co. ....	Riverton. ....	1	5.6	"	.....	6	.....	43
Lathrop Coal Co. ....	Kewanee. ....	1	4.	"	4	.....	.....	45
Matthiessen & H. Zinc Co.	LaSalle. ....	1	5.6	"	.....	8	.....	14
A. O. Marshall, Receiver.	Loceyville. ....	1	3.6	L. W.	2	.....	.....	40
Menard Co. Coal Co. ....	Greenview. ....	1	5.10	P. R.	5	.....	.....	28
Millard and Wolschlag. ....	Peoria. ....	1	4.6	"	3	.....	.....	50
Pana Coal Mining Co. ....	Pana. ....	1	7.6	"	8	.....	.....	22
Spring Valley Coal Co. ....	Spring Valley. ....	1	3.6	L. W.	.....	2	.....	326
St. Louis Ore and Steel Co.	Murphysboro. ....	2	6.	P. R.	16	.....	.....	85
Union Coal Co. ....	Peru. ....	1	3.6	L. W.	10	.....	.....	60
Wil'm. & Springfield Coal Co.	Springfield. ....	1	5.6	P. R.	8	.....	.....	.....
Totals. ....		39			245	17	10	3,260
Averages. ....								

\* The wages paid by the Consolidated Coal Company during the winter months were: Cutters, \$2.50; helpers, \$1.90; blasters, \$2.25; loaders, \$1.90; timbermen, \$2.25.

f Average: Two seams 6 feet, two 6 feet 6 inches, and one 8 feet 6 inches thickness.

g Average: One seam 6 feet, and one 7 feet in thickness.

h Average: Two seams 6 feet 8 inches, and one 7 feet 6 inches in thickness.

i Average: One seam 7 feet 6 inches, and one 8 feet in thickness.

k Average: One seam 7 feet, and one 7 feet 6 inches in thickness.

This exhibit covers the number and kinds of machines in use; the thickness of the coal in which they are used, and the manner of working it; the number of men employed, and the rate of wages paid to each class of employes. There are found to be three rates of wages, the lowest, to loaders, laborers and helpers; the next, to blasters and timbermen; the highest, to the men who actually direct the machine. For the most part the payment is by the day, but in a few instances the cutting is done by the yard or foot, and the blasting and loading by the ton. The day's wages vary

*in Machine-Mining.*

### RATE OF WAGES.

CUTTERS.			HELPERS.		BLASTERS.		LOADERS.		TIM-BERERS.	LABOR-ERS.	MACH' REPAIR-ERS.
Per day.	Per a yard.	Per square foot.	Per day.	Per square foot.	Per day.	Per ton.	Per day.	Per ton.	Per day.	Per day.	Per day.
\$2 26		\$0 04½		\$0 08	\$2 00			\$0 11 17½	\$2 00	\$1 40	
2 50					2 80		\$1 75		2 00	1 85	
2 25			\$1 75		2 00		1 75		2 80	1 75	
2 25			1 75		2 00		1 75		2 00	1 75	
2 25			1 75		2 00		1 75		2 00	1 75	
2 25			1 75		2 00		1 75		2 00	1 75	
2 25			1 75		2 00		1 75		2 00	1 75	
2 25			1 75		2 00		1 75		2 00	1 75	
2 25			1 75		2 00		1 75		2 00	1 75	
2 25			1 75		2 00		1 75		2 00	1 75	
2 25			1 75		2 00		1 75		2 00	1 75	
2 25			1 75		2 00		1 75		2 00	1 75	
2 50		04½			2 00			11½	2 00	1 25	
2 50			1 75		2 00		1 75		2 00	1 25	
2 25			1 75		2 00		1 75	11	1 75	1 50	
2 25			1 50		2 25		1 90		2 00		
3 00	\$0 20		1 35					40	2 00		
2 00			1 75		2 50		2 50		2 50	1 75	\$2 00
2 50			1 75				1 75				
2 50			1 75		2 50		1 50		2 25		
2 50		08	1 50			\$0 87½		c	2 00		
2 50			1 80		2 25		1 90		2 00		
2 00			2 00		2 00		2 00				
		d 05 01½	1 25	d 08½	2 00			d 13 30	2 00	1 25	
2 25			1 50		2 25		1 90		2 00	1 50	
\$2 88	\$0 20	\$0 08½	\$1 70	\$0 08½	\$2 07		\$1 79		\$2 02	\$1 61	\$2 00

**a Running yard, four feet deep.**

6 Paid by the cutters.

c Blasting, loading and timbering, combined, paid 87½ cents per ton.

*d* Winter price. The summer prices are: Cutters, 4¼ to 4½ cents per foot; helpers, 8 to 8½ cents per foot; loaders, 11 to 11½ cents per ton.

somewhat with different seams and conditions, but in general may be said to be \$2.50 for cutters, \$2 for blasters and timbermen, and \$1.75 for others. The averages as computed in the table show the degrees of variation from these prevailing rates. What cost per ton these rates of daily wages indicate it is not attempted to define, and for obvious reasons no one except those immediately interested can know. The cost of the machines and of the power plant is great, and the uncertainties in regard to their successful and profitable operation, and the fact that in some instances they have been abandoned after costly trial, are circumstances which doubtless for the present check the general introduction of the

machines; yet the tendency to mechanical mining is undeniable, and the demand for it may be expected to develop new and cheaper methods of securing it.

### THE NUMBER OF EMPLOYEES.

As should be expected from the greater output, the number of persons who have gained their livelihood through this industry during the year is materially larger than in the year preceding.

The statistics of employes for a series of years may be summarized as follows:

	Miners.	Others.	Totals.
1882.....			20,290
1883.....	20,839	3,100	23,939
1884.....	20,610	4,965	25,575
1885.....	20,772	5,174	25,946
1886.....	20,973	4,873	25,846
1887.....	21,158	5,646	26,804
1888.....	23,648	5,762	29,410

These are the numbers reported each year by the employers, as the average number employed during the winter or busy season, which comprises in general about eight months. Of course it cannot be exact, as the number of men at work at each place fluctuates from week to week with the demand for coal, but the figures are doubtless substantially correct for the maximum of employes.

The number at work during the summer months is materially less, though the unemployed are usually seeking other occupations in the vicinity, and are available at the mine, if required.

The increase in men over those employed in 1887 is nearly 10 per cent., but the increase in output is  $15\frac{1}{2}$  per cent. The product per mine for 1887 was 486 tons, and for 1888 was 501 tons.

Of the whole number of employes, 3,088, or practically 10 per cent., are engaged in machine-mining. Dividing the tonnage cut by machines by this number of operatives, it is found that the *per capita* product under this system is 726 tons per man. This, however, is the deduction as to all machine work and all men engaged in it; a former deduction (page 339 *ante*) shows the specific performance of machines in selected localities where there has been the least hindrance to continuous and systematic work.

The statistical fact, however, which it is the special purpose of this paragraph to accentuate, is, that there are in this State 29,410 employees, who, with their families, are dependent upon this industry for their support, and who prosper or suffer according to the amount and the terms of the employment it affords them.

### WORKING TIME.

In the subsequent table of summaries for the State, it is found that a level average of the days of active operation during the year for all mines of all sizes is 195.8 days; for the year preceding, the corresponding average was 183.8 days. But these averages include the time of a great many small mines which are worked during the winter only, and all mines which have been operated for fractional parts of the year, either because newly opened or abandoned during the year. It has been the practice, therefore, in order to arrive at a just conclusion as to the real proportion of full time which has been devoted to mining the output of the State, to eliminate all mines of irregular or partial delivery, and deduce an average of working time from those only which are carried on continuously throughout the year, so far as the demand for coal permits it.

Our lists show a total of 313 mines characterized as shipping or commercial mines. From these are selected 282 whose returns indicate that they were operated continuously, so far as possible, and which are believed to be truly and fully representative of the industry as a permanent business, in this State. This group of mines delivered 93 per cent. of the total product of the State, gave employment to 88 per cent. of the men, and were in active operation an average of 220.6 days each during the year; that is to say, 93 per cent. of the total product was raised in 71.3 per cent. of full time. A corresponding calculation made from the returns of the year preceding gave an average of 213.2 days, or 68.7 per cent. of full time. Analyzed by districts, the experience of 1888, as relates to working time, is reducible to the following averages:



Districts.	Average No. of days.	Per cent. of total product.	Per cent. of total employés.
First.....	216	97	95
Second.....	219	88	71
Third.....	219	91	89
Fourth.....	230.7	95	91
Fifth.....	219	94	88
The State.....	230.6	93	88

These deductions are obtained from the experience of the industry as a whole. In a former table giving the experience of 85 of the largest mines, it is shown that they delivered 52.4 per cent. of the total product of the State, gave employment to 47.3 per cent. of all the men, and made an average of 227.2 days of running time.

The following statement epitomizes by districts the results of the year's operations in the 282 mines which produced 93 per cent. of the total output of the State:

Districts.	No. of mines.	Av. No. of men per mine	Average days worked.	Average tons per man per annum.	Average tons per day per mine.
First.....	37	221.5	216	340.2	363
Second.....	32	109	219	304.6	151.3
Third.....	80	58.3	219	428	114
Fourth.....	51	90.8	230.7	587	231
Fifth.....	82	59.3	219	506.9	157.3
The State.....	282	91.7	230.6	437	177.3

#### THE STATISTICS OF POWDER CONSUMPTION.

Following the practice of former years a special compilation has been made for 1888 of the quantity of powder consumed in the mining of coal in this State, and the results are herewith presented in tabular form for counties, districts and the State:

*Consumption of Powder in Hand-Mining—1888.*

DISTRICTS.	COUNTIES.	No. of mines.	Number of miners employed	Number of tons mined.	Number of kegs used.	Number of kegs per man.	Number of tons per keg.
The State.....		414	10,205	5,972,796	159,908	15.69	87.85
Total .....		29	2,089	941,813	9,045	4.43	104.1
First .....	LaSalle .....	16	1,081	446,425	2,072	2	215.4
	Livingston.....	18	1,008	496,888	6,973	6.9	71
Total .....		58	714	276,965	8,517	11.98	32.52
Second .....	Bureau .....	9	101	87,836	471	4.6	80.3
	Henry .....	1	6	2,056	100	16.4	20.5
	Mercer .....	14	388	165,341	6,192	16.2	26.7
	Rock Island .....	13	167	52,002	1,420	8.5	36.6
	Stark .....	11	41	12,530	218	8.3	58.8
	Warren .....	5	16	6,900	116	7.2	59.5
Total .....		191	2,988	1,878,898	70,517	23.64	26.64
Third.....	Cass .....	3	7	8,252	45	6.4	72.8
	Fulton .....	45	588	365,144	12,263	20.8	29.4
	Logan .....	3	210	174,330	8,062	38.4	21.6
	Menard .....	9	197	122,525	4,690	23.8	26.1
	Peoria .....	76	1,100	739,937	34,013	30.9	21.7
	Tazewell.....	11	113	59,324	2,592	22.9	22.9
	Vermilion.....	44	768	414,381	8,849	11.5	46.8
Total .....		87	1,892	1,351,555	39,983	21.1	33.84
Fourth .....	Bond .....	2	67	33,200	1,340	20	28.5
	Calhoun .....	1	5	1,036	60	12	17.3
	Macon .....	1	140	129,734	5,766	41.2	22.5
	Macoupin.....	9	540	381,622	6,717	12.5	56.8
	Madison .....	5	241	165,477	2,054	8.5	60.5
	Montgomery .....	1	8	8,054	43	5.4	71
	Morgan .....	1	12	7,300	182	15.1	39.5
	Sangamon .....	16	849	614,142	23,806	27.5	24.3
	Scott .....	1	30	11,090	406	13.5	27.4
Total .....		104	2,577	1,523,570	31,896	12.4	47.77
Fifth .....	Clinton .....	3	123	66,463	715	5.8	98
	Gallatin .....	4	53	45,874	1,424	27	31.8
	Jackson .....	7	182	117,021	1,636	9	71.5
	Johnson .....	1	44	28,210	1,000	22.7	28.2
	Marion .....	5	270	156,976	4,646	17.2	33.8
	Perry .....	11	564	298,645	8,088	14.2	37.1
	Randolph.....	11	242	166,471	4,222	17.4	39.4
	Saline .....	4	69	30,004	882	5.5	78.5
	St. Clair .....	52	971	565,191	8,746	9	64.6
	Washington.....	3	54	43,600	1,045	19.3	41.7
	Williamson.....	3	5	5,326	42	8.4	184

These are the facts in regard to the consumption of powder in those mines in which coal is mined by hand and by the pillar-and-room system, and they are taken mainly for the purpose of showing the relative cost to the miner, so far as the element of powder is concerned of producing coal from the various seams. The long-wall mines are omitted from this list, because under that system the coal is usually brought down without the aid of explosives; the machine mines are omitted because in them the

powder is furnished by the company and not by the men. A subsequent table, however, shows the consumption of powder per ton in machine mines exclusively.

The statement in the foregoing table is, in brief, that there were 159,908 kegs of powder used in 414 mines, by 10,205 miners, in the reduction of 5,972,796 tons of coal, or an average of 15.69 kegs of power per annum to each man, and 37.35 tons of coal per keg of 25 pounds. The chief value of the exhibit, however, rests in the details shown as to the amount of powder required in different localities. Considered by districts, nearly half of the whole, or 44 per cent., is found to have been consumed in the third, 25 per cent. of the whole in the fourth, 20 per cent. in the fifth, and only 11 per cent. in the first and second together. The *per capita* consumption is in similar ratio, being 23.60 kegs in the third district, 21.1 in the fourth, 12.4 in the fifth, 11.93 in the second and 4.43 in the first. Referring to counties, the greatest amount of powder per man is used in Macon county—Logan, Peoria, Sangamon and others following in the order given. While the average number of tons produced per keg, for the State at large, is 37.35 the range is from about 20 tons to 215 tons per keg; and while the average number of kegs per man for the State is 15.69, the range is from 2 in LaSalle county to 41.2 in Macon county.

As a counterpart of this statement in regard to the use of powder in hand-mining, the following table is prepared, showing facts of a corresponding character in regard to mines operated by machines:

*Consumption of Powder in Machine Mines.*

COUNTIES.	COMPANIES.	No. of mines	No. of machines.	No. of employes.	No. of tons of coal produced.	No. of kegs of powder used during the year.	No. of tons produced per keg
Clinton.....	Consolidated Coal Co. ....	1	9	126	60,763	515	118
Jackson .....	Gartside Coal Co. ....	1	3	42	28,000	221	127
	St. Louis Ore and Steel Co. ....	1	10	167	137,320	1,110	128.7
	.....	1	6	159	113,235	816	138.7
	Total .....	3	19	268	276,555	2,147	129.74
LaSalle.....	C. W. & V. Coal Co. No. 2.....	1	20	119	68,831	450	153
Macoupin .....	Consol. Coal Co. No. 6 .....	1	21	192	184,928	2,009	92
	“ No. 7 .....	1	9	93	83,948	719	117
	“ No. 8 .....	1	19	175	164,368	1,334	124
	“ Anchor .....	1	4	36	16,877	139	121
	“ Gillespie .....	1	11	118	108,980	1,301	84
	“ St. Barnard .....	1	8	79	69,561	595	117
	Total .....	6	72	668	622,557	5,967	106.57

*Consumption of Powder in Machine Mines—Concluded.*

COUNTIES.	COMPANIES.	No. of mines	No. of ma- chines.	No. of em- ployés.	No. of tons of coal pro- duced.	No. of kegs of powder used during the year.	No. of tons pro- duced per keg.
Madison.....	Consol. Coal Co. No. 3 .....	1	10	152	128,150	1,225	104
	"    Heintz .....	1	9	141	125,319	1,097	114
	"    Troy .....	1	7	81	55,098	729	76
	Total .....	3	26	374	308,567	3,051	101.14
St. Clair. ....	Consol. Coal Co. Renicke .....	1	6	71	49,435	526	94
	"    Schureman .....	1	6	75	50,295	844	146
	"    Grant .....	1	5	71	27,892	808	92
	"    Richland .....	1	6	97	62,332	1,156	54
	"    Gartside No. 4* .....	1	6	73	46,997	449	106
	"    Yock .....	1	5	63	36,418	272	134
	"    Knecht .....	1	6	67	50,128	539	93
	"    White Oak .....	1	4	61	35,577	745	48
	"    Mentor .....	1	6	72	61,881	747	82
	"    Abbey No. 4 .....	1	9	131	90,189	1,017	88.68
	Total .....	10	59	781	510,644	6,066	83.74
Williamson ...	Crystal Plate Glass Co .....	1	4	103	66,174	1,477	44.8
	The State .....	25	209	2,552	1,916,091	19,725	97.14

This table gives the distribution and the efficiency of explosives as used in mines operated by the machine process. The statement covers 25 mines in which machines are used exclusively, and in these mines 19,725 kegs of powder were used in reducing 1,916,091 tons of coal, which is equivalent to an average product of 97.14 tons for each keg. In the hand mines, as shown in the former table, this average was 37.35 tons per keg. This variation, as an average for the State, may be occasioned in some measure by local conditions, but a comparison of results in mines operated by the two systems in the same localities and seams, indicates very clearly that there is far greater economy of powder in the machine system than in the common methods of mining. The one exception to this rule seems to be in LaSalle county, where in 16 hand-mines, only 4 of which, however, are mines of importance, the average product of explosives is 215 tons per keg, while in the one exclusively machine mine the product is only 153 tons per keg.

The classification in the two preceding tables accounts for a total of 159,905 kegs of powder consumed in hand mines, and of 19,725 kegs in machine-mines, making an aggregate of 179,633 kegs out of a grand total of 190,710 kegs reported as consumed at all mines.

The remainder consists of the portion consumed in mines where both the machines and hand-miners are employed, and in various places the statistics of which do not admit of exact analysis.

#### THE KILLED AND WOUNDED.

With the increase in working force, and in tonnage, which characterizes the year, there has also been an increase in the number of lives lost among the people engaged in this industry. The ratio of increase in this respect is even greater than that in either the numbers employed or tons produced. Sudden death has overtaken 55 men during the year, as a result of the hazzards of mining, and 179 men have met with more or less serious accident. This is a larger number of victims than in any year since 1883, when there were 134 men killed, of which number 69 were buried alive in the Diamond mine at Braidwood, and 10 were killed by an explosion at Coulterville. No such general catastrophe as either of these has occurred in this State since 1883, and the total of recent losses of life is made up of individual deaths from special causes.

Of the 55 victims of fatal accidents reported for the current year, 28 were men of family, and 27 were unmarried. By these deaths 27 wives were made widows, and 89 children were rendered fatherless. The facts in this respect for the last three years are as follows:

Years.	Deaths.	Widows.	Fatherless children.
1886.....	52	30	76
1887.....	41	22	77
1888.....	55	26	89
Totals.....	148	80	242

These are the facts for what may be considered normal years, in which have occurred only such accidents as seem inevitable among so many men so continuously exposed, and they indicate a yearly loss of 50 lives as a concomitant of coal mining in this State, and a yearly increment to the dependent classes of 27 widows, and 80 orphans.

The statistics of casualties in and about the coal mines of Illinois have been taken now for six years, and the results of the inquiry, together with corresponding statistics of production, are herewith presented:

*Casualties and Production.*

YEARS.	Number killed.....	Number injured.....	Total number of men employed.....	Total number of tons of coal produced .....	FATAL CASUALTIES.		NON-FATAL CASUALTIES.	
					Number of employees to each life lost.....	Number of tons of coal produced to each life lost...	Number of employees to each accident.....	Number of tons of coal produced to each accident.....
1883.....	184	281	23,989	10,080,991	179.6	74,858	108.6	43,434
1884.....	46	197	25,575	10,101,006	556	219,597	129.8	51,274
1885.....	39	176	25,446	9,791,874	652.4	251,074	144.6	55,684
1886.....	53	169	25,846	9,246,435	497	177,816	158.5	54,718.
1887.....	41	180	26,804	10,378,890	654	244,735	149	57,106.
1888.....	55	179	29,410	11,855,188	594.7	215,549	164.3	66,241
Totals .....	367	1,132	157,020	61,804,838	.....	.....	.....	.....
Averages .....	61.1	188.7	26,170	10,217,397	427.8	167,042	138.7	54,156

This record gives a total of 1,499 killed and injured during the six years from 1882 to 1888 inclusive, of which number 367 were killed, and 1,132 injured. The degrees of injury, however, take a very wide range, as reports are made of all injuries which involve loss of time on the part of the workman; but practically such slight injuries as require only a trifling suspension of work are not included. A certain portion of the injured are permanently disabled, but as it is difficult to trace many of the more serious cases to their issue, the exact number of those who fully recover cannot be stated. Something of the nature of the injuries received and the degree of their severity may be learned from the following statement of the cases reported for the year:

*Nature of Injuries.*

INJURIES.	DISTRICTS.					TOTALS.	PER CENT.
	First.	Second.	Third.	Fourth.	Fifth.		
Arms bruised.....	2	.....	2	2	.....	6	3.4
Arms broken.....	4	.....	.....	.....	1	5	2.5
Backs injured.....	6	3	3	1	1	14	7.5
Bodies injured.....	14	7	18	6	11	56	31.9
Collar bones broken.....	2	1	1	.....	2	6	3.4
Feet injured.....	3	2	4	2	1	12	6.9
Hands injured.....	1	3	2	3	.....	9	5
Heads injured.....	4	3	2	2	3	14	7.5
Legs broken.....	18	12	7	1	5	43	24
Legs injured.....	4	3	1	1	5	14	7.5
Totals.....	58	34	40	18	29	179	100

Two of the above had each an arm and a leg broken; one had both legs broken; one had both foot and hand injured, and another was crushed both in body and limbs. The greater number of injuries are occasioned by the falling of the roof, and it is impossible to know, until time developes it, how serious an internal hurt may have been sustained. The causes, as distinguished from the consequences of the accidents of the year, are classified as follows for both the fatal and non-fatal events:

*Fatal Casualties.*

Causes.	First District.	Second District.	Third District.	Fourth District.	Fifth District.	Totals.	Per cent.
Blast discharge.....	.....	.....	2	.....	2	4	7.1
Cages.....	1	1	.....	.....	.....	2	3.5
Coal falling in mine.....	5	.....	.....	1	1	7	12.7
Falling down shaft.....	.....	.....	2	2	.....	4	7.1
Gas explosion.....	1	.....	.....	.....	.....	1	1.8
Pit-cars and machinery.....	.....	3	.....	1	2	6	11
Powder explosion.....	1	.....	.....	.....	3	4	7.1
Railroad cars.....	.....	.....	1	.....	.....	1	1.8
Rock falling in mine.....	11	1	5	4	5	26	63
Totals.....	19	5	20	8	13	55	100

*Non-Fatal Casualties.*

Causes.	First District.	Second District.	Third District.	Fourth District.	Fifth District.	Totals.	Per cent.
Blast discharge.....	1	.....	4	.....	.....	5	2.8
Cages.....	4	1	3	3	1	12	6.7
Coal falling in mine.....	8	14	7	5	1	35	19.5
Falling down shaft.....	.....	3	.....	.....	5	8	4.5
Gas explosion.....	1	.....	.....	2	3	6	3.4
Pit-cars and machinery.....	7	3	10	1	5	26	14.5
Powder explosion.....	.....	.....	3	.....	1	4	2.2
Railway cars.....	2	.....	.....	4	.....	6	3.4
Rock falling in mine.....	35	13	13	3	13	77	43
Totals.....	58	34	40	18	29	179	100

As usual, the greater number of these deaths and injuries have been occasioned by the falling of coal or rock on the working miner. This is a constant source of peril to the miner, and the statistics of a series of years show that about two-thirds of all casualties are of this nature.

**THE NEW DANGER IN MINES.**

In recent years the attention both of practical and scientific authorities in mining has been especially directed to a certain class of explosions in mines, the causes of which have seemed to require some other explanation than any of those usually accepted in such cases.

The two agencies which are most carefully guarded against as threatening destructive explosions are the common blasting powder used in mines, and the gas known as fire-damp, which is liberated in working the coal under certain conditions, and which is highly inflammable and, when combined with a certain portion of air, becomes a resistless explosive if brought in contact, in sufficient quantity, with an open light. Danger from powder arises from the careless or ignorant use of it, and in keeping too great quantities of it, insufficiently protected, in the mine. The danger from fire-damp consists in permitting it to accumulate, or in approaching it with a naked light. But as both these forms of peril have



always attended coal mining, in all places where powder has been used or gas has been found, very effective measures have been gradually developed for anticipating and preventing the dangerous consequences of their presence. The use and handling of powder has been regulated by experience, by local rules, and in foreign countries, especially, by laws, all of which have greatly reduced the general hazard from this agent. The detection and removal, or dilution, of fire-damp has also been made a subject of study and scientific experiment from the earliest times, and its nature, sources, and characteristics are perfectly understood, and the various forms of safety lamps now in use enable miners to detect its presence with certainty, even to work in small quantities of it, and at least to escape from it, under ordinary conditions,

Several years ago, however, a number of most disastrous explosions occurred in the North of England, in mines in which no accumulations of gas were known to exist, at all sufficient to cause the wide-spread destruction presented, nor were such accumulations considered possible. Moreover, the nature of the results was in many respects different from those ordinarily attending explosions, either of fire-damp or any other recognized explosive agency. Conspicuous among cases of this kind were the explosion at Seaham in 1880, which occasioned the loss of 164 men; those at Trimdon Grange, Tudhoe and West Stanley, in 1882, by which 124 lives were lost, and that of Usworth, in 1885, causing the death of 42 persons.

In the apparent absence of fire-damp in sufficient quantities to produce the given results, and in view of the peculiar effects produced, a general interest was awakened in these and similar cases which led to a most searching and exhaustive inquiry into the causes which occasioned them. These investigations developed a strong presumption, subsequently confirmed by further observation of similar occurrences, that the active agent was the fine impalpable dust of coal which under certain conditions pervades the atmosphere and settles on all the objects in the mine. This dust is of itself highly volatile and inflammable, though harmless under ordinary circumstances. When disturbed, however, by concussion, and brought simultaneously in contact with the flame of a powder blast, especially if there is a trace of fire-damp present, or a cloud of inflammable powder smoke, the combination proves an explosive mixture of the highest power.

Recent events in this country have emphasized and confirmed this conclusion as to the peril inherent in coal dust. The explosions at Kettle Creek, Pa., at Rich Hill, Mo., and at Frontenac, Kas., all disastrous, and inexplicable upon common theories, may be accounted for if the potency of this agent is recognized and its presence established. In fact, these and other less conspicuous cases confirm the belief that this fine dust of coal which pervades dry mines may be ignited and explode with terrific force, first and most certainly, where fire-damp is known to be generated, though not in sufficient quantity to be dangerous in itself; second, when disturbed by the concussion of a blast and brought simultaneously in contact with the powder flame, or as a result of a blown-out shot without concussion. These are what may be termed the normal exposures incident to mining coal; in addition to these are the dangers arising from the careless handling and storing of excessive quantities of powder in the works. Miners are notorious for their indifference to the dangers which surround them, and not unfrequently ignite powder in greater or less quantities by accident. The consequences may ordinarily be local, but, in the presence of coal dust, the initial force of a local explosion may be vastly intensified by communicating flame to other powder and other dust at a distance, and thus creating general havoc.

The pertinence of this special mention of the recently defined causes of certain explosions in mines, lies in the fact that all the essential conditions for an explosion of this kind and of the first magnitude are found in many Illinois mines, and that in several instances, recently, minor explosions, directly traceable to the ignition of dust, or of gas and dust, or of powder smoke and dust by the flame from shots, have actually occurred, and barely escaped becoming general, and fatal to all the men and property exposed. In 1883 there was an explosion in the mine at Coulterville in this State, by which ten men were instantly killed, but the causes of which were never satisfactorily explained, since the quantity of gas found was not regarded as sufficient to produce the results. It was, however, a dusty mine, and there was some fire-damp in it, and at the time of the explosion shots were being fired. There is in fact but little explosive gas found in any of the mines of this State, but in many of the dry mines there is enough to ignite coal dust, and the two are in perilous contiguity.

In view of these facts there should be no question as to the propriety of and necessity for the proposed amendments to the general mining law, requiring, first, that all dry workings where coal dust is created should be systematically sprinkled; that no more powder should be allowed in the mine than enough for one day's work; that no drill-holes should be charged with loose powder, and that cartridges should be loaded only by the use of cans made for the purpose.

Inspectors should also warn the managers of mines against the use of such inferior grades of powder as produce excessive quantities of dense and inflammable smoke. Powder can now be obtained which is comparatively smokeless, and of great energy, while its effects after combustion are far less injurious to the miner than those of the powder commonly used.

In view of the existing conditions, here referred to, in many of the larger mines of the State, some great catastrophe may justly be feared, unless the utmost caution and vigilance be exercised, with full knowledge of the nature and sources of the impending danger.

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The following general tables, for the State at large, summarize, first, the statistics of all mines, grouped by districts; and, second, the special statistics relating to the mines in which machines are used. These tables are followed by the text, and tables by counties, of the several State Inspectors of mines,—the county tables being presented in alphabetical order in the districts in which they are severally located:

*Statistical Summary, showing the Number, Character, Product, etc., of the Coal Mines of Illinois, for the year ending July 1, 1888—By Districts.*

**COAL IN ILLINOIS.**

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Districts.	MINES.					MINER'S, WORKING TIME, POWDER AND ACCIDENTS.										PRICES, PRODUCTS AND VALUES.				MACHINE MINING.			
	Number of mines	Shipping mines	Mines in local trade	New mines	Abandoned mines	Number of miners and other employes.				Average number of days worked	Kegs of powder used in mining	Casualties.		Survivors.		Average price paid per ton for mining	Number of tons of coal produced	Average value of coal per ton at the mines	Aggregate of the average value of the total products at the mines	Product of machines—Tons.	Number of men employed		
						Miners in summer	Miners in winter	Other employes	aBoys employed underground			Killed	Injured	Widows	Children								
First	70	37	33.10	9	5,692	6,547	1,776	313	198.9	19,438	19	56	11	35	80	\$8.85	2,877,794	\$1 36.96	\$3,941,764	30	151,518	242	
Second	267	32	235.25	36	2,560	3,954	980	120	165	11,155	5	84	.....	.....	.....	91.31	1,903,187	1 47.25	1,904,247	6	4,735	79	
Third	237	81	156.25	34	2,691	4,420	880	179	203.8	66,019	10	40	3	13	70.55	2,192,121	1 13.84	2,495,553	8	31,022	94		
Fourth	108	57	51.8	11	2,608	4,037	1,059	129	216	54,310	8	18	5	15	61.36	2,854,540	94.70	2,708,363	114	1,112,092	1,220		
Fifth	151	106	45.95	4	3,235	4,370	1,167	127	191	46,733	13	29	9	26	55.36	2,637,546	85.75	2,284,114	87	1 10	948,893	1,453	
Totals	868	313	530.99	93	16,771	23,648	5,763	566	.....	190,710	55	179	28	59	.....	11,835,198	.....	\$13,308,080	245	17 10	2,943,210	3,088	
Averages	.....	.....	.....	.....	.....	.....	.....	.....	135.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

*a* The number of boys is included in the number of other employes.

## Schedule of Coal Mines in the State in

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, POWDER, ACCIDENTS AND WAGES.									
		No. miners employed.		All other employes in and about the mine...	Number of boys employed underground.	Number of days worked during the year.	Number of kegs of powder used during the year.	Casualties.		Price per ton paid for hand mining.	
		Summer.....	Winter.....					Killed.....	Injured.....	Summer.....	Winter.....
FIRST DISTRICT.											
Chl. W. & V. C. C., No. 2	Streator.....	70	70	42	5	196	450	1	1		
Union C. C., 2d & 3d vein	Peru.....	230	263	115	15	300	751			\$0 90	\$0 90
M. Hegler Zinc Co.....	LaSalle.....	45	45	25	1	310	1,293				
SECOND DISTRICT.											
Spring V. C. Co., No. 2..	Spring Vall'y	380	480	150	8	250	50	1	5	90	90
Locey Coal Co., A. O.	Loceyville... ..	50	120	22	2	272		1	1	90	90
Marshall, Receiver....											
Lathrop Coal Co., No. 6.	Kewanee....	55	50	8	3	175				70	80
THIRD DISTRICT.											
Emmerson & Co.....	Dumfermline	60	120	18	5	200	1,700		1	70	75
Menard Co. Coal Co....	Greenview....	50	75	30	2	250	2,300			62½	63½
Millard & Wolschlag....	Peoria.....	30	50	8	2	240	1,100			70	80
G. C. C. & C. Co., No. 5.	Grape Creek..	125	160	25	8	250	1,636			65	65
FOURTH DISTRICT.											
Pana C. M. Co., 1 and 2.	Pana.....	60	90	54	4	288	750				
Consolidated Coal Co.—											
No. 6.....	Staunton.....	168	168	24	4	244	2,009	2	1		
No. 7.....	".....	72	72	21	3	242	719		2		
No. 8.....	Mt. Olive....	152	152	23	3	254	1,324	2	1		
Anchor a.....	".....		28	8	1	121	139	1			
Gillespie.....	Gillespie....	99	99	14	3	254	1,301				
St. Barnard.....	Clyde.....	66	66	13	2	217	595		2		
Abbey No. 3.....	Collinsville..	110	110	42	4	231	1,225				
Heintz Bluff.....	".....	99	99	42	3	264	1,097		1		
Troy Shaft.....	Troy.....	56	56	25	3	246	729	1			
Wil. & Sp'g'd Coal Co.	Ridgely.....	60	60	20		306	2,278			57½	
Illinois Fuel Co.....	Riverton.....	55	75	63	3	255	2,297		3	57½	63½
FIFTH DISTRICT.											
Consolidated Coal Co....	Trenton.....	90	90	36	1	249	515		1		
Carbondale Coal Co....	Murphysboro	40	75	37	7	195	365		2	56½	60
Gartside Coal Co., No. 4.	".....	14	14	28	3	300	221				
St. L. O. & S. Co., No. 4.	".....	160	160	7	7	222	1,110	2			
St. L. O. & S. Co., No. 5.	".....	154	154	5	5	272	816				
Consolidated Coal Co.—											
Renicke.....	Birkner.....	30	60	11	1	200	526				
Schureman.....	Belleville....	25	64	11	1	185	344				
Grant.....	".....	30	60	11	1	163	303				
Richland.....	".....	50	72	25	1	190	1,156				
Gartside No. 4.....	".....	32	60	13	1	165	449				
Yock.....	".....	30	50	13	1	181	272				
Knecht.....	Birkner.....	30	54	13	1	197	539	1			
White Oak.....	Marissa.....	20	50	11	1	192	745		1		
Mentor.....	Ridge Prairie	30	60	12	1	184	747				
Abbey No. 4.....	Collinsville..	60	90	41	1	207	1,017	1			
Cartersville C. & C. Co.	Cartersville..	100	150	31	6	260	2,225				
Crystal Plate Glass Co..	".....	93	93	10	4	211	1,477				
Totals.....		3,060	3,864	1,097	127		36,370	13	22		
Averages.....						227					

α Abandoned March, 1888.

Δ New mine.

## which Mining Machines Are Used—1888.

PRODUCTS AND VALUES.			MACHINE MINING.									
Total number of tons of coal mined. ....	Average value of coal per ton at the mine. ....	Aggregate value of total product. ....	Number of coal-cutting machines in use. ....	Kinds of machines used	Amount of coal cut by machines. ....	Total number of men employed cutting and handling the same. ....	Rate of wages paid per day to					
							Cutters. ....	Helpers. ....	Blasters. ....	Loaders. ....	Timberers. ....	Machine repairers. ....
68,881	\$1 30	\$89,486	20	Har'n	68,881	119	\$2 50	\$1 75	\$2 30	\$1 75	\$2 30	1 75
102,885	1 50	154,253	10	"	81,911	85	d 01½	1 25	b 80	b 80	2 00	1 50
78,460	1 32	96,967	8	Legg	50,776	45	3 00	1 75	b 50	b 50	2 50	1 75
												2 00
208,500	1 35	274,725	2	Legg	*	23	2 00	2 00	2 00	2 00	.....	.....
42,197	1 44	60,768	2	Har'n	2,818	14	2 00	1 75	.....	1 75	.....	.....
15,964	1 50	23,976	4	"	1,917	43	† 20	1 35	.....	b 40	2 00	.....
58,576	1 15	67,368	1	Legg	6,727	10	2 50	1 75	2 00	1 75	2 00	.....
58,550	1 06	61,477	5	Har'n	8,700	40	2 50	1 75	2 50	1 50	2 25	.....
36,360	1 10	39,980	2	"	12,800	38	d 08	1 50	.....	.....	.....	.....
66,586	1 12½	74,909	4	Legg	3,336	16	2 25	1 75	2 00	1 75	1 75	1 50
146,605	90	131,944	8	Har'n	73,605	50	2 50	1 50	2 25	1 90	2 00	.....
184,928	82	151,641	21	"	184,928	192	2 25	1 75	2 00	1 75	2 00	.....
83,948	82	68,837	9	"	83,948	98	2 25	1 75	2 00	1 75	2 00	.....
164,268	82	184,996	19	"	164,268	175	2 25	1 75	2 00	1 75	2 00	.....
16,877	82	18,839	4	"	16,877	36	2 25	1 75	2 00	1 75	2 00	.....
102,980	82	84,448	11	"	102,980	118	2 25	1 75	2 00	1 75	2 00	.....
69,561	82	57,046	8	"	69,561	79	2 25	1 75	2 00	1 75	2 00	.....
128,150	82	106,068	10	"	128,150	152	2 25	1 75	2 00	1 75	2 00	.....
126,319	82	102,761	9	"	126,319	141	2 25	1 75	2 00	1 75	2 00	.....
55,098	82	45,181	7	"	55,098	81	2 25	1 75	2 00	1 75	2 00	.....
68,970	1 00	68,970	8	"	68,970	60	2 25	1 50	2 25	1 90	2 00	.....
81,858	95	77,765	6	Legg	40,877	48	2 25	1 50	2 25	1 90	2 00	.....
60,768	82	49,825	9	Har'n	60,768	126	2 25	1 75	2 00	1 75	2 00	1 75
49,284	80	39,411	6	Yock.	27,757	75	e 08½	e 08½	2 00	f 11	2 00	1 40
24,000	1 00	28,000	3	"	28,000	42	1 75	1 75	2 00	b 13	2 00	1 25
137,320	90	123,588	16	Har'n	137,320	167	c 05	c 08½	2 00	b 18	2 00	1 35
113,235	90	101,911	6	"	113,235	159	c 05	c 08½	2 00	b 18	2 00	1 25
49,435	82	40,538	6	"	49,435	71	2 25	1 75	2 00	1 75	2 00	1 75
50,235	82	41,241	6	"	50,235	75	2 25	1 75	2 00	1 75	2 00	1 75
27,892	82	22,671	5	"	27,892	71	2 25	1 75	2 00	1 75	2 00	1 75
62,332	82	51,112	6	"	62,332	97	2 25	1 75	2 00	1 75	2 00	1 75
46,997	82	38,537	6	"	46,997	78	2 25	1 75	2 00	1 75	2 00	1 75
36,418	82	29,922	5	Y 4H	36,418	63	2 25	1 75	2 00	1 75	2 00	1 75
50,128	82	41,104	6	Har'n	50,128	67	2 25	1 75	2 00	1 75	2 00	1 75
35,577	82	29,173	4	"	35,577	61	2 25	1 75	2 00	1 75	2 00	1 75
61,381	82	50,332	6	"	61,381	72	2 25	1 75	2 00	1 75	2 00	1 75
90,189	82	73,954	9	"	90,189	131	2 25	1 75	2 00	1 75	2 00	1 75
86,031	75	64,523	1	Legg	.....	.....	2 25	.....	2 00	b 17½	2 00	1 85
66,174	65	43,013	4	Har'n	66,174	106	g 06	g 08½	2 25	A 13	3 25	1 50
3,006,807	.....	\$2,855,334	273	.....	2,243,210	3,068	.....	.....	.....	.....	.....	.....

\* No record has been kept of the amount of coal cut by machines; they are being used as an experiment only. d Per square foot. e Winter price per foot; summer prices per foot: Cutters, 4¼ to 4½c; helpers, 3 to 3½c. f Winter price per ton; summer price, 11 to 11½c. g Winter price per foot; summer prices per foot: Cutters, 4½c; helpers, 3½c. A Winter price per ton; summer price, 11½c. † Running yard 4 feet deep. ‡ Paid by the cutter. | Combined, paid 32½c per ton. b Per ton. c Per foot.

## FIRST DISTRICT.

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MR. JOHN S. LORD,

*Secretary of the Bureau of Labor Statistics, Springfield, Ill.*

DEAR SIR:—In compliance with the law defining the duties of inspectors of mines, I herewith submit the fifth annual report, for the year ending July 1, 1888, embracing statistics of the production, etc., of all the mines in the first inspection district, consisting of the counties of Grundy, Kankakee, LaSalle, Livingston and Will.

On entering upon my commission October 1, 1887, I received valuable information from my predecessor, Mr. Alexander Ronald, as regards the condition of the mines, and other matters which would require attention, together with the records belonging to the office.

The records of the coal trade for the fiscal year show an increase in the output for all the counties with two exceptions; in LaSalle, the decrease is due to the strike of the engineers and firemen on the C., B. & Q. railroad, as this system handles the largest portion of the coal mined around Streator; those mines having no other railroad connection were obliged to shut down. The Chicago, Wilmington and Vermilion Coal Co. suffered the greatest loss on this account, as both No. 1 and 2 shafts were on that road, but the owners connected their No. 2 shaft with the Sante Fe railroad, which assisted them through till matters were adjusted. Their loss in production was between 50,000 and 60,000 tons of coal. Other companies suffered also, especially the Coal Run Coal Co., and the Streator and Wilmington Star Coal Co.

The total output in tons for the year 1888 is.....	2,877,794
For the year 1887 .....	2,686,829

Increase .....	190,965
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Number of miners employed in winter .....	6,847
Number of other employés in winter.....	1,776

Total .....	8,623
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Number of accidents—fatal.....	19
“ “ non-fatal.....	58
Total number of casualties .....	77
Number of employes to each fatal casualty .....	448
“ “ “ non-fatal casualty .....	129.6
Number of tons produced for each fatal casualty.....	151,463
“ “ “ “ non-fatal casualty....	49,615
Number of tons mined by machine.....	151,518
Number of employes connected with the same.....	242

### MACHINE MINES.

There is one mine in the district in which the under-cutting is entirely done with machines, it being the Chicago, Wilmington & Vermilion Coal Co.'s No. 2 mine. This mine is well equipped in every respect, as it was intended to be made a model machine mine by the company's officials, but the seam was found to be faulty and full of clay slips, horsebacks, etc., and under such circumstances, the product of the machines cannot be economically compared with hand-mined products in clear strata. At Matthiessen & Hegler's mine the machines are only used in driving the rooms, as they have found by experience that it is more economical to extract the pillars by hand-mining; this is due to the low under-cutting made by the Legg machine, also the space required to operate it, for in general at pillar-work the props have to be kept close up to the face of the coal. Taking the amount of coal produced by the machines we get an average for each machine of 1,591 tons, and for each man connected with machines an average of 626 tons, so that each machine with attendants produced the same quantity of coal as thirteen men in hand-mining. As a great portion of the coal produced in the district is by the long-wall system, a system in which machines have been tested and have proved unsuccessful, it is likely that the tendency to adopt mechanical in place of hand-mining will be limited in these coal fields.

### THE AMENDMENTS OF THE LAW.

I am very glad to report that in all the principal mines the late amendments have been complied with when the necessity for it was shown. In examining the mines I have met boys at work who from their appearance were under 14 years of age, but on taking their names, and applying at the company's office, I found their certificates on file, and the boys to be over 14 years of age.

Only on two occasions has it been necessary to stop operations for insufficient ventilation, and that only for a day or two, to clear up part of the return airway. The report book generally in use in which the mine examiner states the condition of the mine is



the one issued by a publishing company of Peoria, which includes a report of the condition of the boilers, machinery, chains, cages, safety catches and the mine. The system of signals is now uniform in the principal mines in the district which was necessary especially where the miners are in the habit of waiting more than thirty minutes after they stop hoisting coal for the day. Before the signals became uniform it was not unusual to find miners who did not know how to give the signal to ascend out of the mine, as quite a number of the miners have only followed mining since arriving in this country, and are inexperienced in the workings of a mine.

#### LIST OF MINES ABANDONED DURING THE YEAR.

In Grundy county the C., W. and V. Co.'s "K" shaft, Godley, and the W. Star Co.'s No. 4 shaft, Coal City; in LaSalle county, Penman & Co.'s shaft, Streator, and Watkins & Law's shaft, Marseilles; the Coal Run Coal Co.'s Eagle shaft at Streator, not included in tabulated report, was operated only for a short time removing the bottom pillars; in Livingston county, the River Bank Co. No. 2 shaft, Streator.

#### MINES NOT IN OPERATION DURING THE YEAR.

In Grundy county the Eureka Coal Mining Co., Braidwood; in LaSalle county, Burgess Toll, Utica, and J. Clark, Lowell; in Kankakee county the James Kerwin & Co. mine, Tracy, which was bought by Taylor Williams,—the men still being unable to get their pay.

#### LIST OF NEW MINES OPENED DURING THE YEAR.

In Grundy county, W. & S. Star Co.'s No. 2 shaft at Coal City; Cryer & Wren shaft at Morris, and C., M. & St Paul Co.'s No. 3 shaft reopened at Braceville; in LaSalle county, Penman & Co. shaft at Streator, Osborn & Crewe shaft at Kangley, and W. & S. Star Co. No. 2 shaft also at Kangley; in Livingston county, John Edwards shaft at Streator; in Will county, C., W. & V. Co. "L" shaft at Braidwood, and Miners Coal Co.'s shaft also at Braidwood.

The Chicago, Wilmington and Vermilion Coal Company of Braidwood, have sunk a new shaft named the "M", about one-half mile east of the "K", and will put in Cherry's self-dumping cages, also one of Ramsay's coal distributors, both of which will effect a great saving in the handling of the coal at the top of the mine. Mr. Hart has sunk a shaft at Garey, on the Illinois Valley & Northern railroad, about six miles from Kangley, he got seam No. 7 at a depth of 65 feet, and has started to enlarge his shaft and put in stronger timbers.

## PROSPECTS FOR FURTHER DEVELOPMENTS.

There has been an unusual amount of prospecting with the drill during the summer, chiefly along the I., V. & N. railroad, also in Kankakee county near the town of Reddick; the C., W. & V. Coal Co. of Braidwood, have had two drills at work for some time at Streator; also the same company have started a drill near to their old No. 2 shaft, for the purpose of testing the lower seam, or No. 2 of the geological section. A company of Streator capitalists have bought a large tract of land at Garey and have had two prospecting holes put down with the ordinary drill. The W. & S. Star Co. have purchased a large tract of land near to Tonica, LaSalle county, and are prospecting with the Diamond drill, and will, in all probability, develop it soon.

## ACCIDENTS.

There have been during the year 19 fatal and 58 non-fatal accidents in the district, a large percentage of which occurred at the face of the working places. The general system in the mines in this district is to hold the miner responsible for the safe keeping of his road and face of working place, so that the only responsibility the employers have is to furnish the miner with a proper supply of material to protect himself. As the year past has been an exceptionally busy one in the coal trade, we may ascribe to this fact alone a number of the accidents, as men, when hurried, are liable to neglect the taking of necessary precautions for their own safety.

Following is a list of fatal and non-fatal casualties during the year.

*Fatal Casualties in the First District.*

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Children.	Cause of Accident.
1887.								
Sept. 15	Francesco, Peagno.	35	Miner.	Coal City.	1	..	..	Falling rock in mine.
" 22	Baxter, James.	39	"	"	1	..	6	Falling rock in mine.
" 24	Malick, Joseph.	24	"	"	..	1	..	Falling rock in mine.
" 26	Taylor, Benjamin.	52	"	Braidwood.	1	..	4	Falling coal in mine.
Oct. 28	Darrow, Joseph.	35	"	Diamond	1	..	4	Falling rock in mine.
Nov. 8	Fairbairn, Joseph.	52	Manager.	Streator.	..	1	..	Explosion of gas.
" 11	Hargraves, Richard.	55	"	"	1	..	1	Falling rock in mine.
" 16	Townaley, William.	50	Miner.	Kangley.	1	..	8	Falling coal in mine.
" 16	Reese, John.	27	"	Streator.	..	1	..	Falling rock in mine.
Dec. 31	Nimo, William.	51	Cager.	Fairbury.	1	..	5	Descending cage.
1888.								
Jany. 5	Sommers, Daniel.	24	Miner.	Streator.	1	..	1	Falling rock in mine.
" 7	Stubbs, Robert.	29	Cutter.	"	1	..	1	Falling coal in mine.
" 28	Dahlberg, Chas. H.	17	Driver.	Gardner.	..	1	..	Falling rock in mine.
Feb. 2	Hunter, Carson B.	39	Miner.	"	..	1	..	Explosion of powder.
" 14	Beaufait, John.	23	"	Streator.	..	1	..	Falling rock in mine.
" 18	Anderson, Andrew.	40	"	Braceville.	1	..	4	Falling rock in mine.
" 20	Thomas, Job.	15	"	Pontiac.	..	1	..	Falling coal in mine.
April 17	Knox, Edward.	17	"	Streator.	..	1	..	Falling rock in mine.
May 21	Hall, William.	56	"	"	1	..	6	Falling coal in mine.
Totals..					11	8	35	

## RECAPITULATION.

Residence.	No.	Casualties.	No.	Per cent.
Braceville .....	1	Descending cage .....	1	5.26
Braidwood .....	1	Explosion of gas .....	1	5.26
Coal City .....	3	Explosion of powder .....	1	5.26
Diamond .....	1	Falling coal .....	5	26.32
Fairbury .....	1	Falling rock .....	11	57.9
Gardner .....	2			
Kangley .....	1			
Pontiac .....	1			
Streator .....	8			
Totals .....	19	Totals .....	19	100.00

*Non-Fatal Casualties in the First District.*

Date.	Name.	Age	Residence.	Married	Single	Children	Character of Injury and Cause of Accident.	Time lost.
1887.								
July 5	Bradike, George .....	49	Peru .....	1			5 Leg broken by falling rock in mine.	4 Mo.
" 14	Hawkshaw, Alex .....	55	Streator .....	1			3 Leg broken by loaded pit car	8 Mo.
" 20	Roberts, John .....	50	" .....	1			4 Leg broken by falling rock in room	8 Mo.
Aug. 1	Kenny, Patrick .....	28	Peru .....	1			Back injured by falling rock in room	1 Mo.
" 29	Hartnett, Thomas .....	35	LaSalle .....	1			Leg broken by falling rock in room	2 Mo.
Sept. 26	Keefe, Patrick .....	32	" .....	1			Arm crushed by railroad cars; amputated.	3 Mo.
" 27	Horn, Gottlieb .....	36	Braceville .....	1			6 Arm and leg broken by falling rock in room.	6 Mo.
Oct. 14	Loyd, Richard .....	43	" .....	1			1 Leg bruised by falling rock in room	6 Mo.
" 26	Williams, Thomas .....	26	Clark City .....	1			Arm broken by loaded pit cars.	2 Mo.
" 26	Altschaffal, Theodore .....	21	Coal City .....	1			Head injured by falling rock in mine	3 W.
" 29	Thurwell, William .....	40	Streator .....	1			Leg broken by fall of rock in mine	3 Mo.
Nov. 30	Krowchock, Michael .....	26	" .....	1			Head injured by falling rock in room	1 Mo.
" 3	Gallachan, Andrew .....	35	" .....	1			Injured by falling rock at face of room	5 W.
" 21	Page, Morris .....	21	Braidwood .....	1			Leg broken by falling rock in room	2 Mo.
" 23	Edwards, Isaac .....	38	Godley .....	1			4 Injured by falling rock in room.	2 Mo.
Dec. 5	Hamill, Robert .....	18	Braceville .....	1			Injured by falling rock in room.	1 Mo.
" 6	Bickford, Wm. .....	31	" .....	1			Leg broken by falling rock in room	3 Mo.
" 7	Volante, Joseph .....	48	Godley .....	1			4 Leg broken by falling rock in room	2 Mo.
" 7	Brookman, John .....	18	Diamond .....	1			Leg broken by loaded pit car in mine	6 Mo.
" 8	Sullivan, Conrad .....	55	Braidwood .....	1			2 Injured by falling rock in room.	6 W.
" 22	Sullivan, Jerry .....	26	Pontiac .....	1			Leg fractured by falling rock in mine	4 Mo.
" 10	Boyd, William .....	50	Diamond .....	1			4 Injured by falling rock in room.	1 Mo.
1888.								
Jan. 19	Cotton, Charles .....	27	Clark City .....	1			2 Injured between car and roof	
" 4	Rasmassun, Peter .....	26	Gardner .....	1			Foot injured by falling rock in mine	3 W.
" 7	Borman, John .....	35	Braceville .....	1			Head bruised by falling rock in room	2 Mo.
" 7	Johnson, A. G. .....	30	" .....	1			Leg injured by falling rock in room	6 W.
" 10	Perota, John .....	45	Coal City .....	1			1 Back injured by falling rock in mine	1 Mo.
" 15	Cooper, Samuel .....	62	" .....	1			1 Foot and hand bruised by railroad cars	3 W.
" 19	Skeldon, William .....	19	Godley .....	1			Leg crushed by pit cars	2 W.

## Non-Fatal Casualties—Continued.

Date.	Name.	Age.	Residence.	Married	Children	Character of Injury and Cause of Accident.	Time lost.
1888.							
Jan. 27	O'Neil, Patrick.....	35	Streator.....	1	5	Legs broken by descending cage.	3 Mo.....
" 28	Deens, John.....	30	Braceville.....	1	1	Foot injured by falling clay in mine.	2 Mo.....
Feb. 1	Renka, John.....	37	".....	1	1	Leg broken by falling rock in room.	5 Mo.....
" 2	Thomas, David.....	39	Pontiac.....	1	4	Leg broken by premature discharge of shot.	2 Mo.....
" 10	Ralsbeck, John.....*	55	Braceville.....	1	1	Injured by descending cage.	.....
" 26	Malake, Frank.....	34	Godley.....	1	2	Arm broken by falling coal in room.	2 Mo.....
Mar. 2	Cheesemond, George.....*	29	Streator.....	1	1	Injured by falling rock in mine.	.....
" 12	Randolph, John.....	26	Braidwood.....	1	2	Crushed by falling coal in room.	1 Mo.....
" 17	Thorburn, Wm.....	40	Streator.....	1	5	Back injured by falling rock in room.	4 Mo.....
" 19	Corodo, Pominee.....	30	Diamond.....	1	1	Leg injured by falling coal in room.	2 Mo.....
" 20	Parsons, Joseph.....	56	Braidwood.....	1	1	Injured by falling coal in room.	1 Mo.....
" 24	Scobia, Robert.....	26	Streator.....	1	1	Body burned by explosion of gas.	6 W.....
April 22	Tappin, Nicholas.....	30	".....	1	1	Head injured by falling rock in room.	2 Mo.....
" 24	Watts, Abram.....	50	".....	1	1	Back injured by falling rock in room.	1 Mo.....
" 30	Coles, George.....	34	Braceville.....	1	3	Bruised by falling rock in room.	2 Mo.....
" 30	Johnson, Alex.....	34	Kanghley.....	1	1	Leg broken by falling coal in room.	2 Mo.....
May 2	Lettsome, Wm.....*	48	Streator.....	1	7	Leg and arm broken by falling rock in room.	.....
" 5	Truman, Wm.....	35	".....	1	1	Neck injured by pit car.	1 Mo.....
" 21	Boyd, Thomas.....	26	".....	1	1	Shoulder injured by falling rock in room.	1 Mo.....
" 23	Lewis, Samuel.....	35	Braceville.....	1	3	Back injured by falling rock in room.	1 Mo.....
" 24	Battuta, Cavaglia.....	35	Coal City.....	1	1	Back injured by falling rock in room.	3 W.....
" 28	Plumb, George.....	30	Braceville.....	1	1	Foot injured by falling coal in room.	.....
" 28	Delaney, Luke.....*	50	Streator.....	1	1	Leg broken by falling coal in room.	.....
June 5	Carmichael, Wm.....	30	".....	1	2	Collar bone broken by falling bucket.	.....
" 5	Munn, Walter.....	30	".....	1	3	Collar bone broken by falling bucket.	.....
" 5	Young, M.....	40	LaSalle.....	1	3	Leg broken by falling rock in mine.	.....
" 5	Lyne, John.....	39	Oglesby.....	1	1	Leg broken by falling rock in room.	4 Mo.....
" 16	Pickering, George.....	40	Braidwood.....	1	3	Leg broken by falling coal in room.	.....
" 30	Dahlberg, Charles Sr.....	53	Gardner.....	1	6	Leg broken by loaded pit-car.	.....
	Totals.....			40	18	94	108½† Mo

\* Not yet recovered—unable to work.

† An average of 53 days to each man.

## RECAPITULATION.

Residence.	No.	Casualties.	No.	Per cent.
Braceville .....	12	Bucket descending water shaft.....	2	3.45
Braidwood .....	5	Blast prematurely discharged.....	1	1.73
Clark City .....	2	Descending cages.....	2	3.45
Coal City .....	4	Gas exploding .....	1	1.73
Diamond .....	3	Falling coal in rooms.....	8	13.9
Gardner .....	2	Falling clay in mine.....	1	1.73
Godley .....	4	Falling rock in rooms.....	24	38.62
Kanghley .....	1	Pit-cars .....	7	12.04
LaSalle .....	3	Railway cars.....	2	3.45
Oglesby .....	1			
Peru .....	2			
Pontiac .....	2			
Streator .....	17			
Totals .....	58	Totals.....	58	100.00

There has been no litigation during the year, but I have made application through the States Attorney of La Salle county for an injunction to restrain the Chicago, Joliet and Streator Coal Company from operating their mine until they put down an escape-ment shaft; however, the company being in financial difficulties, and the business in the hands of a receiver, the court has not granted the application up to the present time.

Chief among the improvements in the sanitary condition of mines in the district, is in that of the La Salle shaft, where by reducing the length and increasing the area of the return airway, the volume of air has been increased to 15,000 cubic feet per minute, which also reduced the temperature about 9 degrees in the return airway. The Oglesby Coal Company have put in a heavier shaft to their fan, the old one being too light to get the speed required to ventilate the mine properly. Richard Evans has driven a new slope at his mine, which will when finished, reduce the length of the airways, and enable him to have a fresh current for each pair of entries. The Chicago, Wilmington and Vermilion Coal Company have remodeled the tower, etc., of No. 1 shaft, at the same time they have also put in Cherry's self-dumping cages, and changed their tail rope from the east to the west portion of the mine, the former portion having been abandoned permanently; this company have Cherry's self-dumping cages at all their mines now in operation.

The relationship between operators and miners has been harmonious during the year. At a joint meeting at Ottawa March 24, it was agreed to pay the same price for mining as last year, and in May representatives of the operators and miners of the Wilmington and surrounding coal fields, held a meeting at Braidwood, when they agreed to reduce the hours of labor at the mines to nine and a half hours per day, leaving the company work to be paid at the rate of ten hours per day; they also agreed to give a half-holiday each Saturday between the months of March and September. This is a step in the right direction, and the companies have been able to produce the same quantity of coal in the shorter time without any additional expense.

## LEGISLATION.

In section twelve of the mining law the inspectors are required to recommend such further legislation as may be deemed necessary for the better regulation and safety of the mines.

In compliance with this section, I would earnestly recommend that the General Assembly, at the next session, make such addition to the mining law that mine managers in charge of mines shall be compelled to obtain certificates, either of competency or service, from an authorized board, said board to consist of an equal number of operators and miners; service certificates to be given to mine managers after oral examination of their ability to manage a mine, and producing evidence that they have been employed by the same company for a specified time in that position; and that such manager shall not be employed by any other company unless he shall have obtained a certificate of competency; mines in which less than ten men are employed to be exempt from the same. At all mines where the employes are lowered and raised by cages and steam power, I would suggest that a measure be passed compelling mine operators to have examined daily the machinery, cages and covers, safety catches, chains and ropes, by a competent person or persons, the condition of each to be truly recorded, by said person or persons, in a book kept at the mine for that purpose.

## NEW TRANSPORTATION FACILITIES.

A large part of the mines in Coal City and Braceville will find an outlet for their products to the north and northwest this coming winter by the way of the Gardner, Coal City and Elgin R. R., a new branch railway which is being constructed between Gardner, Grundy county, and Elgin, Kane county, connecting with the Chicago, Milwaukee and Saint Paul R. R. at the last named place. The Illinois Valley and Northern R. R. will also be in running order in the fall, so that nearly one half of the shipping mines will have a more direct route for shipping their products to the northwest markets than formerly; this will place the operators in a better position to compete with the products of other coal fields which are shipped there and will tend to increase the coal production in the first district.

## FIRES.

There have been two fires during the year in the district, the first being at Barrackman's mine, Streator, which destroyed the tower and other buildings. This fire originated from the spontaneous combustion of the slack in the gin-run, which had been burning for some time previous, and to which no attention was given. The other was at the "J" shaft of the C., W. & V. Co., Braidwood, in which the tower, engine and boiler buildings were destroyed; cause supposed to be the exploding of a lamp.

Respectfully submitted,

QUINTIN CLARK,

*Inspector of 1st. District, Braidwood.*

## Grundy County—First District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kegs of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
C., M. & St. P., No. 2	Braceville	450	450	150	15	2734	20	1	11	\$0 95	\$0 95	243,495	\$1 41
" " No. 3	"	170	170	80	5	1584	10					85,027	1 15
Wil. S. M. Co., No. 3	Coal City.	300	360	80	28	1971	500	1	2	95	95	137,572	1 15
" " No. 4, a	"	85	55	16	3	153	85			95	95	16,463	1 15
S. & W. S. C. C., No. 1	"	140	175	50	34	230			2	95	95	77,536	1 15
" " No. 2	"	40	56	24	16	140		1		95	95	21,380	1 15
W. C. & M. Co. No. 3.	Diamond..	300	300	50	10	200	40		3	95	95	153,250	1 15
Chi. W. & V. Co., K a	Braidwood	187	200	45	1	185		1	4	95	95	73,418	1 15
Taylor Williams ..	Gardner ..	80	130	34	1	190	206	2	2	95	95	43,000	1 15
Sufern Bros ..	Coal City.	65	30	16		180	80	1		95	95	7,000	1 15
C. Fire Proof g Co., 1.	Morris ..	25	35	4	2	250				1 16	1 16	7,000	2 22
Alex. Bell, No. 1	"		2	1		135				1 25	1 25	1,250	2 22
Alex. Telfer, No. 4.	"	5	10	1		248				1 16	1 16	1,360	1 15
Geo. Blair, No. 4	"		2	1		100					1 20	1,200	1 15
Frank Gilbride ..	"	2	8	1		185				1 25	1 25	1,140	1 15
Wm. Hornsby ..	"		3	1		210					1 20	1,176	1 15
Heather & Wood ..	"	12	22	4	1	1230				1 20	1 20	5,000	2 22
John Buck ..	"	2	4	1		190				1 20	1 20	500	2 22
Lee Martin ..	"		3	1		150				1 25	1 25	400	2 22
Lars Thursan ..	"	2	9	1		175				1 25	1 25	1,000	2 22
Thos. Walsh ..	"		5	1		120				1 25	1 25	800	2 22
Cryer & Wren ..	"	3	8	1		150				1 25	1 25	1,000	2 22
John Nelson ..	"		2	1		100					1 20	400	2 22
Totals (23 mines) ..		1,818	2,079	563	118	1791	941	7	25			863,866	
Averages ..						1791				0.958	0.959		\$1 41

a Abandoned permanently.

## Kankakee County—First District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kegs of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Taylor Williams ..	Clark City.	300	300	60	1	229	10		2	\$0 95	\$0 95	82,000	\$1 41
Total (1 mine) ..		300	300	60	1	229	10		2			82,000	
Average ..						229				\$0 95	\$0 95		\$1 41

## LaSalle County—First District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.....	Boys employed underground.....	Days worked during year.	Kgs of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.....	Av. value per ton at the mine.....
		Summer...	Winter....					Killed....	Injured...	Summer...	Winter....		
C. W. & V. C. C. No. 1	Streator ..	380	395	130	18	214	1,200	2	1	\$0 80	\$0 80	184,967	\$1 30
Star Coal Co. No. 1	Kangley ..	70	70	42	5	196	450	1	1	80	80	*68,831	1 30
LaSalle Co. C. C. Co.	LaSalle ..	275	240	75	57	285	246	1	1	80	80	156,810	1 47
LaSalle Co. C. C. Co.	LaSalle ..	20	65	15	...	180	19	...	...	80	80	8,342	1 47
LaSalle Co. C. C. Co.	LaSalle ..	212	221	81	11	249	...	2	...	80	90	104,031	1 32
Rockwell .....	LaSalle ..	132	132	44	3	113	...	1	...	90	90	21,551	1 32
Union Coal Co. ....	Peru .....	230	263	115	15	300	751	...	...	90	90	†102,835	1 50
James Cahill .....	LaSalle ..	144	162	43	5	308	...	2	...	90	90	74,150	1 45
Ill. Valley C. C. No. 1	Oglesby ..	150	180	73	...	216	...	1	...	90	90	100,877	1 33
Oglesby Coal Co. ....	LaSalle ..	140	175	55	1	183	...	...	...	90	90	63,517	1 50
M. & H. Zinc Co. ....	LaSalle ..	45	45	25	1	310	1,333	...	...	...	...	†73,460	1 32
Coal Run C. Co. —													
Otter Creek .....	Streator ..	100	125	25	7	175	200	1	...	80	80	37,400	1 30
Chl. J. & S. C. C. No. 1	LaSalle ..	80	150	21	4	170	180	1	...	80	80	35,100	1 30
Platt Coal Co. No. 1 ..	Seneca ...	70	70	30	2	261	1	...	...	80	80	27,453	1 75
Watkins Law .....	Marseilles	6	15	4	...	150	...	...	...	95	95	3,500	1 75
Chas. Scott .....	Streator ..	2	12	2	...	150	15	...	...	80	80	2,000	1 50
Wm. Howe .....	LaSalle ..	10	23	3	2	220	70	1	...	80	80	8,000	1 45
F. W. Eads .....	LaSalle ..	...	10	2	...	145	30	...	...	85	85	3,230	1 50
Penman Co. ....	LaSalle ..	2	9	1	...	175	10	...	...	80	80	1,500	1 45
Jones & Dawson .....	LaSalle ..	...	11	3	...	170	30	...	...	80	80	8,000	1 45
Osborn & Crewe .....	Kangley ..	2	6	2	...	98	13	...	...	80	80	518	1 45
Lukins & Kavanagh ..	Streator ..	...	8	1	...	160	20	1	...	80	90	650	1 45
Benj. Davis .....	LaSalle ..	2	2	1	...	275	6	...	...	80	80	900	1 45
Robt. Fairbairn .....	LaSalle ..	1	6	1	...	240	5	...	...	85	85	2,500	1 40
Joseph Crewe .....	LaSalle ..	2	6	2	1	182	...	...	...	80	80	2,755	1 50
S. McClairy .....	Kangley ..	...	2	...	...	175	8	...	...	...	80	518	1 45
C. B. Haldeman & Co.	Lowell ..	...	8	1	...	160	20	...	...	...	80	1,000	1 45
F. Buzzard .....	Streator ..	2	9	1	...	175	...	...	...	80	80	950	1 45
Totals (28 mines) ..		2,057	2,520	797	132	4,567	8	9	...	...	...	1,060,435	...
Averages .....						201	...	...	...	\$ 85.3	\$ 85.3	...	\$1 38.9

b Closed down and for sale.

a Abandoned permanently.

c Sold out to another company.

\* Total output mined by machines.

† 31,911 tons mined by machines.

‡ 50,776 tons mined by machines.



## Livingston County—First District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kege of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	A. V. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
C. W. & V. C. C. No. 3	Streator ...	440	475	139	22	219	1,500	...	9	\$0 80	\$0 80	229,322	\$1 35
Riverbank C. C. No. 2 <sup>a</sup>	"	...	60	10	...	100	125	...	1	80	80	20,000	1 35
Richard Evans	"	100	140	15	...	200	225	...	3	80	80	40,000	1 35
J. D. Kerr	"	145	180	8 <sup>b</sup>	10	225	400	1	...	80	80	70,886	1 35
Stimpkins & Marshall	"	33	45	5	3	216	340	...	...	80	80	23,577	1 35
Lukins & Kavanagh	"	50	60	5	...	250	300	...	...	80	80	20,000	1 35
Eli Cope	"	37	53	13	...	242	250	...	...	80	80	19,000	1 35
M. J. Barrackman	"	4	20	2	1	125	30	...	...	80	80	4,990	1 35
John Edwards	"	30	30	6	...	250	80	...	...	80	80	10,400	1 35
Pontiac Un. C. Co.	Pontiac ...	8	5	1	...	70	...	...	...	1 00	1 00	1,025	1 35
Walton Brothers	Fairbury ..	50	70	16	1	256	1,738	1	2	80	80	29,435	1 35
Fairbury Coop. C. Co	"	18	40	13	...	229	1,303	1	...	80	80	16,981	1 35
	"	11	17	6	...	215	675	...	...	80	80	9,385	1 35
Totals (13 mines)		921	1,195	261	52	6973	3	17	...	...	...	405,388	...
Averages		...	...	...	...	199.8	...	...	...	\$0 80	\$0 80	...	\$1 35

<sup>a</sup> Abandoned permanently.  
<sup>b</sup> In his agent's hands.

<sup>c</sup> New mine.

## Will County—First District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kege of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	A. V. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
C. W. & V. C. Co., "J."	Braidwood	400	400	50	6	220	...	1	5	\$0 95	\$0 95	240,190	\$1 35
" " "L"	"	280	300	40	4	220	...	...	...	95	95	97,682	1 35
Braidwood Coop. Co.	"	13	83	1	...	187	...	...	...	95	95	5,553	2 00
The Miners' Coal Co.	"	3	12	1	...	200	...	2	...	1 00	1 00	2,174	2 00
Young & Wilson	"	...	...	3	...	95	...	...	...	1 10	1 10	1,506	2 00
Totals (5 mines)		696	753	95	10	...	2	1	5	...	...	347,105	...
Averages		...	...	...	...	184.2	...	...	...	\$0 95.1	\$0 95.1	...	\$1 37

## Recapitulation by Counties—First District—1888.

COUNTIES.	MINES.				MINERS.								PRICES AND PRODUCTS.				
	Number of mines...	Shipping mines...	Mines in local trade	New mines.....	Abandoned mines..	No. of miners and other employes.				Average number of days worked.....	Number of kegs of powder used.....	Casualties.	Average price for hand min- ing.		Total tons of coal mined .....	Average value per ton at the mine...	
						Miners, sum- mer.....	Miners, win- ter.....	Other em- ployes...	Boys under- ground...				Summer...	Winter.....			
Grundy ....	33	10	13	4	2	1,818	2,079	568	118	179.6	941	7	25	\$0 95.8	\$0 95.5	862,866	\$1 89.5
Kankakee ..	1	1	...	...	1	200	300	60	1	229	10	...	2	95	95	82,000	1 40
LaSalle....*	28	13	15	3	2	2,057	2,520	797	132	201.8	4,567	8	9	85.3	85.3	1,090,435	1 38.97
Livingston..	13	11	2	1	1	921	1,195	261	52	190.8	6,973	3	17	80	80	495,388	1 34.6
Will.....	5	2	3	2	2	696	753	95	10	184.2	2	1	5	95.1	95.1	347,105	1 27
Totals....	70	37	33	10	8	5,692	6,847	1,776	313	...	12,493	19	58	...	...	2,877,794	...
Averages .	...	...	...	...	...	...	...	...	...	198.9	...	...	...	\$0 88.77	\$0 88.9	...	\$1 36.06

Whole number of openings reported in 1887 ..... 68

Number of new mines or places opened during the year ..... 10

Number of mines exhausted or abandoned during the year ... 8

Whole number of openings reported for 1888..... 70

\* 151,518 tons mined by machines.

NOTE.—Coal mined by machines not included in computing the average price for mining, the men connected with machines being all paid by the day, with the exception of the cutters of the Union Coal Company, Peru, who are paid by the square foot. In the average value at the mine, the output of Mathlessen & Hegler's is not included, as all the men are paid by the day and no value given, as the coal is nearly all consumed at their zinc works.

## SECOND DISTRICT.

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**MR. JOHN S. LORD,**

*Secretary of the Bureau of Labor Statistics, Springfield, Ill*

SIR: In compliance with section twelve of an Act of the General Assembly defining the duties of State Mine Inspectors, and providing for the health and safety of persons employed in the coal mines of Illinois, I have the honor of submitting the fifth annual report as Inspector of Coal Mines for the Second Inspection District, for the year ending June 30, 1888.

The present report contains the usual tabular statements, giving the number of mines, commercial and local; the number of miners and other employés; the prices per ton paid for mining; the value of the coal per ton at each mine; the fatal and non-fatal accidents, also the causes and the extent of the injuries received therefrom.

The following summary of the number of miners and other employés, the number of tons of coal produced, the number of accidents fatal and non-fatal with ratios is presented for the year:

Number of employés—miners .....	3,964
Number of other employés, including boys over 14 years of age .....	930

Total number of employés .....	4,914
Number of tons of coal produced .....	1,293,187
Number of accidents—fatal .....	5
Number of accidents—non-fatal .....	34

Total number of accidents .....	39
Number of employés to each fatal accident .....	983
Number of employés to each non-fatal accident .....	144
Number of tons of coal produced for each fatal accident ..	258,637
Number of tons of coal produced for each non-fatal accident	38,035

The Second District contains twenty-two counties, eleven of which are coal producing, namely: Bureau, Hancock, Henry, Knox, Marshall, McDonough, Mercer, Rock Island, Schuyler, Stark and Warren.

For this year the counties of Bureau, Hancock, Marshall, Mercer, Schuyler, Stark and Warren combined, show an increase over the year previous of 273,382 tons, while the counties of Henry, Knox, McDonough and Rock Island show a decrease of 49,222 tons, leaving a net increase for the present year over the previous year of 224,160 tons.

*Fatal Casualties in the Second District.*

Date.	Name.	Age	Residence.	Married	Single	Children	Cause of Accident.
1887.							
Aug. 16	Riva, Vinanzio.....	18	Spring Vall'y	..	1	..	Crushed by descending cage.....
Nov. 16	Bolt, Henry.....	18	Loceyville...	..	1	..	Coal falling down shaft from loaded car ..
1888.							
Jan. 20	Platt, James.....	18	Wenona.....	..	1	..	Hand crushed between prop and loaded car
" 27	Swanson, Henry.....	35	Galva.....	..	1	..	Falling rock at face of room .....
Mar. 3	Kearney, Michael.....	15	Spring Vall'y	..	1	..	Crushed between loaded pit-cars .....
				..	5	..	

RECAPITULATION.

Residence.	No.	Casualties.	No.	Per cent.
Galva .....	1	Falling roof in mine .....	1	30.
Loceyville .....	1	Pit-cars .....	3	60.
Spring Valley .....	2	Coal falling down shaft from loaded car.	1	20.
Wenona .....	1			
	5			5 100.

*Non-Fatal Casualties in the Second District.*

Date.	Name.	Age	Residence.	Married	Single	Children	Character of Injury and Cause of Accident.
1887.							
Oct. 11	Donaldson, J. W .....	37	Kewanee ....	1	..	..	Foot injured by falling roof.....
" 22	Millselagel, George.....	26	Rushville....	1	..	..	Crushed by descending cage.....
" 24	Dickerson, Wm.....	30	Colchester....	1	..	..	Injured by falling roof.....
" 29	Macarl, Peter.....	26	Wenona.....	1	..	..	Leg broken by falling coal in mine.....
Nov. 1	Franklin, Wm.....	24	Colchester....	1	..	..	Injured by falling roof.....
" 20	Butler, Charles.....	30	Elmwood.....	1	..	..	Back injured by falling roof.....
" 27	Swanson, Charles.....	24	Monmouth....	1	..	..	Leg injured by falling down shaft.....
Dec. 1	Davis, David.....	24	Elmwood.....	1	..	..	Thumb crushed by falling coal a .....
" 12	Bass, Oscar.....	41	Toulon.....	1	..	..	Leg broken by falling roof.....
" 12	Dawson, H. J.....	35	Rapids City..	1	..	..	Head injured by windlass at screen .....
" 14	Colligan, Bernard.....	40	Spring Vall'y	1	..	..	Leg broken by falling coal in mine.....
" 15	Garland, Peter.....	30	".....	1	..	..	Finger cut off by falling coal in mine .....
" 23	Shadwick, Joseph.....	34	".....	1	..	..	Injured by falling coal in mine .....
" 23	Wilson, David.....	21	".....	1	..	..	Collar bone broken by pit-car.....

*Non-Fatal Casualties—Continued.*

Date.	Name.	Age.	Residence.	Married	Single	Children	Character of Injury and Cause of Accident.
1888.							
Jan. 8	Gaskiowick, Peter	25	Spring Vall'y	1			Finger broken by falling coal
" 11	Bungart, Henry	30	"	1			Leg broken by falling coal in mine
" 11	Rosenburg, Oscar	40	"	1			Leg broken by falling coal in mine
" 30	McCullom, Edward	36	"	1			Foot crushed by falling coal in mine
Feb. 11	Harris, Joseph	40	"	1			Leg broken by falling coal in mine
" 27	Vieaw, Santo	36	Loceyville	1			Leg broken by falling coal in mine
Mar. 12	Griffin Frank	42	Griffin	1			Leg broken by falling down shaft
" 12	Griffin, Edwin	18	"	1			Leg broken by falling down shaft
" 17	Rundle, Richard	38	Colchester	1			Back injured by falling roof
" 26	Miller, James	18	"	1			Head injured by falling roof
" 26	Clinton, Peter	42	Spring Vall'y	1			Head bruised by falling coal in mine
" 31	Graham, James	58	Rapids City	1			Ribs broken by falling roof
Apr. 3	Boden, Olof	40	Cable	1			Injured by falling roof
" 10	Carlson, Nels. P.	36	"	1			Injured by falling roof
" 24	Fahey, Edward	25	Spring Vall'y	1			Leg broken by falling coal in mine
" 24	Kilbride, Michael	15	"	1			Leg broken by pit-cars
May 1	Servias, Franchimont	33	Wenona	1			Leg injured by falling coal in mine
" 8	Stone, William	60	Carbon Cliff	1			Leg injured by falling roof
" 28	Conday, John	22	Spring Vall'y	1			Leg broken by falling rock in mine
June 1	Fink, John	30	Wenona	1			Back injured by falling roof
	Totals			20	14		

a Amputated.

## RECAPITULATION.

Residence.	No.	Casualties.	No.	Per cent.
Cable	2	Descending cage	1	2.94
Carbon Cliff	1	Coal falling down shaft	1	2.94
Colchester	4	Falling coal in mine	13	38.26
Elmwood	2	Falling down shaft	3	8.57
Griffin	2	Falling roof and rock	13	38.26
Kewanee	1	Pit-cars	2	5.85
Loceyville	1	Windlass at screen	1	2.94
Monmouth	1			
Rapids City	2			
Rushville	1			
Spring Valley	13			
Toulon	1			
Wenona	3			
Totals	34	Totals	34	100.00

To the foregoing may be added six accidents that have taken place at new shafts during the process of sinking, one of which was fatal, one serious and four slight.

The first took place April 21st, 1888, while a new shaft was being sunk by the Sparland Coal Co. at Sparland, Marshal county. Louis Climpson, aged 35 years and married, employed as top man at the shaft, while warming a stick of dynamite carelessly laid it against a red-hot stove, the dynamite exploded, shattering Climpson's hand in such a manner that it had to be amputated at the wrist.

The next accident took place at Ladd Station on the I. V. & N. R. R. in Bureau county, June -5, 1888. The Whitebreast Fuel Company had just commenced sinking a shaft on their newly acquired tract of coal land at the above place, and the shaft had been sunk through clay to a depth of 15 feet; the necessary timber had been expected on a certain train but did not arrive, and preparations were at once made to timber the shaft temporarily with such material as happened to be at hand, and the men were in the act of putting in some timbers when a large mass of clay fell from the side of the shaft nearly burying Robert Roberts, J. B. Morgan, T. F. Morgan, Philip Davis and John Mitchell. When rescued it was found that Roberts was fatally injured, having fallen with his head on the edge of a sinking bucket fracturing his skull, from the effects of which he died three days after the accident. Roberts was a single man 35 years of age.

The other four men were only slightly injured. All were practical sinkers and had come from Lucas, Iowa, for the express purpose of sinking the shaft.

The above six accidents have not been recorded and tabulated in regular order, as there is as yet no coal mine to which they can be charged, nor does our mining law contain any provisions relating to accidents in the sinking of new shafts.

*Recapitulation of Fatal Accidents in the district for five years.*

CAUSES.	1884	1885	1886	1887	1888
Falling of roof and coal.....	5	.....	3	3	1
Machinery, cages and pit-cars on the surface....	1	.....	.....	.....	.....
Machinery, cages and pit-cars underground.....	.....	.....	2	1	3
Explosions of powder, dynamite, premature blasts, etc.....	.....	.....	1	.....	.....
Falling down shafts, slopes, etc.....	.....	1	.....	1	.....
Inhaling or exploding mine gases.....	.....	1	.....	.....	.....
Miscellaneous.....	.....	.....	.....	.....	1
Totals.....	6	2	6	5	5

*Recapitulation of Non-Fatal Accidents in the district for five years.*

CAUSES.	1884	1885	1886	1887	1888
Falling of roof and coal.....	14	19	11	23	27
Machinery, cages and pit-cars on the surface.....	.....	.....	1	.....	1
Machinery, cages and pit-cars underground.....	3	5	3	1	3
Explosions of powder, dynamite, premature blasts, etc.....	2	4	1	.....	.....
Falling down shafts, slopes, etc.....	.....	.....	4	.....	3
Inhaling or exploding mine gases.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	3	2	2	.....
Totals.....	19	31	22	26	34

## IMPROVEMENTS.

The number of ventilating fans in operation in this district continues steadily to increase, seven new ones having been erected during the year—three by the Quincy Coal Co., at Colchester, McDonough county; one by the Colchester Coal Co., at the same place; one at Taylor's local mine, near Pre-emption, Mercer county; one at the Galesburg Pressed Brick and Tile Co.'s shaft, at Galesburg, Knox county; and a second one added to the equipment of shaft No. 1, Spring Valley, Bureau county.

The law has been complied with, generally, in regard to escapement shafts, the most complete and costly ones constructed during the year being those at shafts No. 2 and 3, Spring Valley, Bureau county.

The escapement at shaft No. 2 is 357 feet deep, equipped with first-class winding engines working on first motion, by which coal is hoisted from the mine.

The escapement at shaft No. 3 is 481 feet deep, and will be supplied with hoisting machinery. Coal will also be raised at this shaft, making it similar in every respect to the escapement at shaft No. 2.

## MINING MACHINES.

Mining machines have been introduced, to a limited extent, into Bureau county, during the year.

At Spring Valley, two Legg machines have been in operation for some time, both at shaft No. 2. One of the machines is used in what is known, locally, as the middle vein. (Seam No. 5 of the general section.) A pair of entries is being driven in an easterly direction from the shaft, with the intention of thoroughly testing the quality and thickness of the middle vein, and for this purpose, the Legg machine is being used.

The other machine is used in the third or bottom vein for a nearly similar object,—that is, driving into the solid coal for the purpose of winning, or acquiring a more extensive working force more rapidly than by the usual method.

Two Harrison mining machines have been in operation at Locey's mine, Loceyville, since January, 1898. They are being used as an experiment, which, if successful, will naturally cause them to be more extensively introduced into the county.

These machines will naturally give better results in a thick seam than in a thin one. The machines—Legg and Harrison—as at present constructed, do the mining or under-cutting, only, and will, as a rule, mine as many square feet, in a given time, in a thick seam as in a thin one.

Given, two seams of coal,—one  $3\frac{1}{2}$  and the other 7 feet thick,—with all other conditions equal; and, assuming a price per running yard for mining of 20c.; a price per ton for blasting and loading

of 40c.; and a value for coal, on pit-cars, at the face of the room, of \$1.20 per ton; then assuming that we have a face of coal 20 yards wide, the mining of which would cost  $20 \times 20c = \$4.00$ , the seam being 7 feet thick and the mining 4 feet deep, we would have  $60 \times 4 \times 7 = 1680$  cubic feet of coal, and allowing 35 cubic feet to each ton, which ought to be sufficient to cover all waste, we have 1680 divided by 35 equals 48 tons. The cost of blasting and loading will be  $48 \times 40c = \$19.20$ , which, added to the cost of mining, will give \$19.20 plus \$4.00 equals \$23.20 as the cost of 48 tons of coal on pit-cars, at the face of the room.

The value of 48 tons of coal, on pit-cars, at the face of the room, will be  $48 \times \$1.20 = \$57.60$ , and  $\$57.60 - \$23.20 = \$34.40$ ,—net profit.

And for the  $3\frac{1}{2}$  foot seam, we have: Cost of mining 20 yards 4 feet deep, \$4.00; cost of blasting and loading 24 tons, at 40c. per ton, \$9.60,—making a total cost of 24 tons of coal on pit-cars, at the face of the room, of \$4.00 plus \$9.60 equals \$13.60.

Value of 24 tons of coal on pit-cars, at the face of the room,  $24 \times \$1.20 = \$28.80$ , and  $\$28.80 - \$13.60 = \$15.20$ ,—net profit. And  $\$34.40 - \$15.20 = \$19.20$ ,—in favor of the thicker seam when all other conditions are precisely similar.

The feasibility of mining coal by machinery in Bureau county is simply probationary. That it will not be as successful as its most sanguine promoters could wish, is certain; that it may be moderately so, is barely possible, but anything definite must be left for a future report.

Four Harrison mining machines have heretofore been in operation at the Lathrop Mining Company's mine, at Kewanee, Henry county. They were taken out in August, 1887, and have not been used since. Whether they will be used again or not is at present uncertain.

#### NEW COMPANIES.

The amount of coal produced in this district has increased from 704,723 tons, in 1886, to 1,293,187 tons in 1888, an increase of over  $83\frac{1}{2}$  per cent. in two years, and the end is not yet. According to present indications, the output of the district will increase at the rate of about 250,000 tons per annum until an annual production of at least 2,000,000 tons is obtained.

This result is made possible by the fact that two influential companies have purchased coal land in Bureau county during the year, and are at present in the act of developing it, and will undoubtedly be shipping coal in large quantities in the near future. This, added to the certain increase in the output of the Spring Valley mines, will produce the increase predicted.

The companies referred to are the Whitebreast Fuel Company, of Iowa, and the Chicago, Wilmington and Vermillion Coal Company. The former controls 12,000 acres of coal land, and is, at the present writing, sinking a shaft five miles north-west from Spring-



Valley, on the Streator & Walnut Branch of the C. B. & Q. R. R. Considerable difficulty is being encountered, owing to the soft nature of the ground to be sunk through, and the large quantity of water given off. These will be overcome, however, and, in all probability, coal will be ready for shipment early in 1889.

The C., W. & V. Co. have purchased 3,000 acres of coal land, including the local mine heretofore owned and operated by Seaton Bros., near Hollowayville, Bureau county. The work of enlarging the shaft and constructing  $3\frac{1}{2}$  miles of railroad to connect the mine with the Streator and Walnut Branch of the C., B. & Q. R. R. was commenced about August 1st, 1888, and will be completed as soon as possible, and coal will be shipped during the coming winter.

The high commercial standing of these companies is a fair guarantee that their mines will be equipped and operated in such a manner as to conform to all the provisions of the mining law.

A company was organized at Sparland, Marshall county, early in the Spring of 1888, for the purpose of developing the coal at that point. Sinking was commenced in February, and coal was reached 164 feet below the surface April 25th, 1888. The coal is  $2\frac{1}{2}$  feet thick, (seam No. 2 of the general section,) and similar to the coal produced at Wenona, in the same county. Machinery is being erected, and coal will be ready for shipment early in the fall of 1888. The mine is connected with the Bureau & Peoria Branch of the Chicago, Rock Island and Pacific Railroad.

#### LITIGATION AND STRIKES.

In one case, only, has it been found necessary to resort to litigation to enforce the provisions of the mining law during the year. Reuben Holgate commenced to raise coal from a shaft at Lombardville, Stark county, about January 1st, 1887. He was notified to either sink an escapement shaft or cease operations on or before January 1st, 1888. He refused to do either, and an injunction to prevent the further operation of the mine until the law was complied with was asked for and granted January 12th, 1888.

Since that time an escapement has been constructed, and the mine is again in operation.

No strikes or other labor troubles, serious enough to call for special mention, have occurred during the year. The prices paid for mining have remained about the same as during the year previous, and the relations existing between the miners and mine owners have been, on the whole, pleasant and satisfactory.

Yours Very Respectfully,

THOMAS HUDSON,

*Inspector for 2d District,*

Galva.

*Bureau County—Second District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees	Boys employed underground	Days worked during year	Kege of powder used during year	Casualties.		Price per ton for mining.		Total tons of coal mined	Av. value per ton at the mine
		Summer	Winter					Killed	Injured	Summer	Winter		
Sp. Val. C. Co. No. 1.	Spring Val	380	480	150	10	250	...	1	4	\$0 90	\$0 90	203,760	\$1 35
" " " 2.	"	380	480	150	10	250	50	1	5	90	90	*203,500	1 35
" " " 3.	"	240	340	100	22	250	...	...	4	90	90	125,600	1 35
A. O. Marshall, Recr	Loceyville	50	130	22	1	272	...	1	1	90	90	142,197	1 44
Sheffield Mining Co.	Sheffield	50	50	11	1	318	125	...	...	87+	87+	22,598	1 75
H. W. Lloyd	"	5	15	1	...	305	10	...	...	87+	87+	3,690	1 87+
J. B. Sprague	"	2	7	...	...	300	8	...	...	87+	87+	1,470	1 87+
Peter Duncan	"	4	8	...	...	200	...	...	...	87+	87+	2,320	1 75
W. H. Forrest	Mineral	2	20	...	...	250	50	...	...	87+	87+	2,575	1 75
John Vanvelzor	"	1	6	1	...	125	10	...	...	87+	87+	1,000	1 75
C. W. Riley	Neponset	1	4	1	...	175	3	...	...	87+	87+	366	1 75
Brandt & West	Buda	3	10	1	...	301	...	...	...	87+	87+	1,443	1 75
Harry Fletcher	Princeton	5	13	2	...	150	3	...	...	90	1 00	2,864	1 75
William Smith	"	2	7	1	...	200	35	...	...	1 00	1 00	800	1 75
A. W. Walton	"	4	14	1	...	180	130	...	...	1 00	1 00	3,017	1 75
Geo. Heathcock	"	4	8	3	2	250	100	...	...	1 00	1 00	2,360	1 75
Seaton Bros	Holw'yv'le	2	6	2	...	200	...	...	...	1 00	1 00	2,137	2 00
Totals (17 mines)...		1,135	1,568	452	29	524	3	14	...	...	...	685,097	...
Averages		...	...	...	...	281	...	...	...	\$0 899	\$0 90	...	\$1 38.9

\* No record has been kept of the amount of coal mined by machines; they are being used as an experiment only.

+ 2,818 tons cut by machines.

*Hancock County—Second District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees	Boys employed underground	Days worked during year	Kege of powder used during year	Casualties.		Price per ton for mining.		Total tons of coal mined	Av. value per ton at the mine
		Summer	Winter					Killed	Injured	Summer	Winter		
Augusta Coal Co	Augusta	3	17	2	...	180	...	...	...	\$1 00	\$1 12+	2,530	\$1 50
P. W. Newcomb	"	2	6	1	...	180	...	...	...	1 12+	1 12+	1,525	1 62+
T. R. Short	"	2	5	1	...	190	...	...	...	1 12+	1 12+	890	1 75
Patrick Doyle	"	2	5	1	...	120	...	...	...	1 12+	1 12+	660	1 75
Jacob Marks	"	2	3	...	...	180	...	...	...	1 12+	1 12+	500	1 75
A. J. Bruner	"	2	3	1	...	170	...	...	...	1 12+	1 12+	420	1 75
Totals (6 mines)...		13	39	6	...	...	...	...	...	...	...	6,515	...
Averages		...	...	...	...	170	...	...	...	\$1 076	\$1 125	...	\$1 62.4

*Henry County—Second District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Keys of powder used during year.	Casualties.	Price per ton for mining.			Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.										
Lathrop C. Co., No. 6	Kewanee..	55	50	8	3	175	...	1	\$0 70	\$0 80	...	*15,964	\$1 30
Bernard Kirley.....	"	26	28	8	3	200	...	1	70	80	...	12,853	1 30
Wm. Lyle.....	"	10	19	2	...	261	...	...	87½	87½	...	5,413	1 30
Wm. Bates.....	"	8	20	2	...	250	...	...	87½	87½	...	5,300	1 30
Wm. Martin.....	"	4	10	2	...	225	...	...	87½	87½	...	2,347	1 30
John Atkinson.....	"	3	6	1	...	200	...	...	87½	87½	...	2,000	1 30
T. Carter & Son.....	"	3	7	1	...	175	...	...	87½	87½	...	1,871	1 30
Elijah Plumtree.....	"	2	8	1	...	280	...	...	87½	87½	...	1,044	1 30
Wm. Stanley.....	"	1	6	...	...	200	...	...	87½	87½	...	900	1 30
Edwin Lamb.....	"	3	7	1	...	200	...	...	87½	87½	...	800	1 30
Edwin Lamb.....	"	2	3	1	...	250	...	...	87½	87½	...	795	1 30
Thomas Lester.....	"	3	5	...	...	180	...	...	87½	87½	...	732	1 30
Boyd & Price.....	"	2	6	1	...	200	...	...	87½	87½	...	648	1 30
Krahn & Henry.....	"	2	3	1	...	150	...	...	87½	87½	...	380	1 30
F. Greenhagen.....	"	...	3	...	...	100	...	...	87½	87½	...	160	1 30
Herdien C. Co., No. 1	Galva.....	10	18	2	...	250	...	1	1 00	1 00	...	4,273	1 75
" " " 3	"	8	20	2	...	210	...	...	87½	87½	...	4,020	1 75
" " " 4	"	30	60	4	...	255	1	...	80	80	...	26,104	1 40
" " " 5	"	5	20	3	...	160	...	...	80	80	...	9,080	1 40
Union Coal Co.....	"	11	18	3	1	300	...	...	87½	87½	...	5,547	1 60
John Mowbray.....	Atkinson..	6	12	1	...	250	...	1	1 25	1 25	...	2,544	2 00
Thos. Frew.....	"	2	9	1	...	200	...	1	1 25	1 25	...	1,233	2 00
James Kay.....	"	2	7	1	...	140	...	1	1 25	1 25	...	774	2 00
R. Witherspoon.....	"	...	5	1	...	120	...	...	...	1 00	...	600	1 75
Geo. Wictom.....	Cambridge	8	10	2	...	200	100	...	1 12½	1 12½	...	2,056	2 12½
Thos. Wyatt.....	"	1	5	1	...	150	...	1	1 00	1 00	...	800	1 75
Park & Hillier.....	Coal Val'y	...	8	...	...	75	...	...	...	87½	...	406	1 50
John Rochford.....	Hawley...	1	7	1	...	180	...	...	75	75	...	673	1 50
Totals (28 mines)...		208	375	51	7	...	100	1	...	...	...	108,831	...
Averages.....		...	...	...	...	196	...	...	\$ 83.2	\$ 55.8	...	\$1 32.9	...

\* 1,917 tons cut by machines.

*Knox County—Second District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.		
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kegs of powder used during year.	Casualties.	Injured.	Killed.	Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.								Summer.	Winter.		
Elmwood Coal Co.	Elmwood..	40	50	12	...	300	...	2			a	a	20,000	\$1 25
Geo. Clifford	Oneida.	5	24	6	...	220	...				\$0 87½	\$0 87½	4,240	1 75
James McGovern	"	1	6	...	1	270	...				75	75	1,300	1 25
Chas. Morgan	"	1	2	...	...	140	...				75	75	250	1 25
Galesburg B. & T. Co	Galesburg.	8	18	2	...	220	...				1 25	1 25	4,070	2 00
Wm. Essex & Son.	"	4	15	1	...	220	...				87½	87½	2,351	1 50
Ross & Woodward	"	2	12	1	...	300	...				87½	87½	2,000	1 50
Patrick Milan	"	2	6	1	...	200	...				87½	87½	1,800	1 50
Patrick Powers	"	1	4	1	...	130	...				87½	87½	1,000	1 50
Thomas Muir	"	...	2	...	...	100	...				87½	87½	320	1 50
Gus Rodell	Wataga.	3	10	1	...	200	...				75	75	1,800	1 25
Chas. Pester	"	4	5	...	...	220	...				75	75	1,640	1 25
Louis Nodine	"	3	7	1	...	180	...				75	75	1,336	1 25
Andrew Pierson	"	2	6	...	...	180	...				75	75	1,320	1 25
James Taylor	"	1	5	...	...	150	...				75	75	1,120	1 25
P. O. Isaacson	"	1	4	...	...	180	...				75	75	800	1 25
Wm. Oslin	"	1	5	...	...	150	...				75	75	600	1 25
Albert Mallin	"	2	3	...	...	180	...				75	75	600	1 25
Geo. Bowman	Yates City	2	6	1	...	200	...				75	75	1,232	1 50
Wm. Threw	"	1	5	1	...	130	...				75	75	520	1 25
J. A. Irvin	Knoxville.	2	5	1	...	200	...		1 00	1 00	1 00	1 00	1,400	1 75
Samuel Hopper	"	1	4	...	...	180	...		1 00	1 00	1 00	1 00	840	1 75
Nelson & Anderson	"	1	2	...	...	160	...		1 00	1 00	1 00	1 00	520	1 75
Wm. Jones	"	2	1	...	...	180	...		1 00	1 00	1 00	1 00	460	1 75
James Nelson	"	...	1	...	...	80	...				1 00	1 00	160	1 75
Ambrose King	Victoria.	1	4	...	...	120	...		75	75	75	75	680	1 25
D. J. Grim	"	1	3	...	...	190	...		75	75	75	75	520	1 25
Geo. Arnold	"	1	2	...	...	180	...		75	75	75	75	440	1 25
Eric Stomberg	"	1	2	...	...	150	...		75	75	75	75	320	1 25
Wm. Nelson	"	1	2	...	...	150	...		75	75	75	75	300	1 25
Henry Sloan	"	...	2	...	...	75	...		...	...	75	75	224	1 25
C. A. Anderson	"	...	2	...	...	80	...		...	...	75	75	200	1 25
George Reed	"	...	2	...	...	100	...		...	...	75	75	160	1 25
T. F. Templeton	"	...	2	...	...	50	...		...	...	75	75	140	1 25
Geo. Williams	"	...	2	...	...	80	...		...	...	75	75	100	1 25
Nelson Parson	"	...	2	...	...	80	...		...	...	75	75	100	1 25
A. B. Smith	"	...	1	...	...	60	...		...	...	75	75	80	1 25
David Murphy	Truro.	2	6	...	...	180	...		75	75	75	75	800	1 25
John Walsh	"	2	5	...	...	180	...		75	75	75	75	760	1 25
W. B. Reed	Abingdon.	3	4	1	...	100	...		1 25	1 25	1 25	1 25	400	2 00
Jesse Etcheson	Maquon.	3	...	...	...	150	...		...	...	1 00	1 00	240	1 25
Totals (41 mines)		97	247	28	1	...	...	2	...	...	...	...	57,043	...
Averages		...	...	...	...	158	...	...	...	...	\$0.876	\$0.876	...	\$1 41.4

a Miners paid by the yard.

*Marshall County—Second District—1888.*

Name of firm, company, or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.	All other employees.	Boys employed underground.	Days worked during year.	Kege of powder used during year.	Casualties.	Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.		
								Summer.	Winter.				
Wenona Coal Co.....	Wenona...	165	205	83	2	209	1	3	\$0 90	\$0 90	88,623	\$1 20	
W. M. Osborne.....	Sparland...	1	5	...	...	106	12	...	87½	87½	55	240	
Chas. Saville.....	"	1	2	...	...	150	...	...	87½	87½	40	200	
Scott Osborne.....	"	1	2	...	...	100	5	...	87½	87½	30	150	
Henry Davis.....	"	1	3	...	...	100	...	...	87½	87½	30	150	
R. M. Frisbie.....	"	1	2	...	...	100	...	...	87½	87½	30	150	
B. Lanning.....	"	1	2	...	...	150	...	...	87½	87½	30	150	
Cyrus Wright.....	"	1	1	...	...	100	...	...	87½	87½	30	150	
Geo. Kear.....	"	1	2	...	...	80	...	...	87½	87½	30	150	
John McFadyen.....	Henry.....	1	2	1	...	120	4	...	87½	87½	30	150	
Wm. Lopeman.....	"	1	2	1	1	130	10	...	87½	87½	30	150	
Wm. Bough.....	"	1	2	...	...	130	12	...	87½	87½	30	150	
Wm. Horrocks.....	"	1	2	...	...	130	...	...	87½	87½	30	150	
Alex. Daniels.....	"	1	1	1	1	130	...	...	87½	87½	30	150	
John Kenney.....	"	1	2	...	...	150	8	...	87½	87½	30	150	
Joseph Caley.....	"	1	1	...	...	120	...	...	87½	87½	30	150	
William Brown.....	"	1	2	...	...	80	...	...	87½	87½	30	150	
John Daniels.....	"	1	1	...	...	80	...	...	87½	87½	30	150	
Totals (18 mines).....		174	242	36	4	51	1	3	\$0 89.9	\$0 89.9	87,013	\$1 54	
Averages.....						118			\$0 89.9	\$0 89.9		\$1 54	

*McDonough County—Second District—1888.*

Name of firm, company, or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.	All other employees.	Boys employed underground.	Days worked during year.	Kegs of powder used during year.	Casualties.	Price per ton for mining.	Total tons of coal mined.	Av. value per ton at the mine.			
											Summer.	Winter.	Injured.
Quincy C. C. No. 20.	Colchester	35	35	5	1	64	...	\$1 12½	\$1 37½	14,457	1		
" " " 21.	"	65	65	5	4	183	...	1 12½	1 37½	5,385	1		
" " " 25.	"	38	38	5	5	137	...	1 12½	1 37½	16,426	1		
" " " 26.	"	75	75	9	4	224	...	1 12½	1 37½	10,315	1		
" " " 27.	"	47	47	4	4	196	1	1 12½	1 37½	1,613	1		
" " " 28.	"	80	80	6	5	92	1	1 12½	1 37½	986	1		
Colchester Coal Co.	"	50	50	7	3	210	1	1 12½	1 37½	2,000	1		
Wilson & Little	"	2	3	2	1	220	...	1 28	1 28	200	1		
T. Greenbank	"	3	3	...	...	200	...	1 28	1 28	200	1		
J. Roberts & Bro.	"	3	3	...	...	160	...	1 28	1 28	200	1		
Frank Wagle	"	1	1	...	...	125	...	1 28	1 28	200	1		
Wm. Eckersley	"	1	1	...	...	160	...	1 28	1 28	440	1		
Wm. Egerton	"	18	18	5	2	100	...	1 00	1 12½	3,615	1		
Wm. Hulson	"	4	4	1	...	100	...	1 12½	1 12½	200	1		
Louis Lewis	"	2	2	...	...	240	...	1 00	1 28	200	1		
D. Wayland	"	2	5	...	...	180	...	1 00	1 00	200	1		
Lewis Atkinson	"	1	7	...	...	220	...	1 00	1 00	200	1		
Ennos & Cash	"	8	10	...	...	280	...	1 00	1 00	1,700	1		
Ed. Foster	"	...	2	...	...	100	...	1 28	1 28	200	1		
John Burgess	"	...	2	...	...	80	...	1 28	1 28	200	1		
Peter Whalen	"	...	2	...	...	80	...	1 28	1 28	200	1		

## McDonough County—Continued.

Name of firm, company, or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kings of powder used during year.	Casualties.	Price per ton for mining.	Total tons of coal mined.	Av. value per ton at the mine.		
		Summer.	Winter.										
John Hunter.....	Colchester	2	4	2	1	200			\$1 00	\$1 25	560	1 62½	
W. D. Williams.....	"	1	4		1	200			1 25	1 25	320	1 62½	
Samuel Morse.....	"		3			90				1 25	200	1 62½	
L. W. Bumgardner.....	"	2	10		1	220			1 00	1 25	880	1 62½	
Wm. Hodgson.....	"	2	2			220			1 25	1 25	660	1 62½	
Samuel Hodgson.....	"		2			100				1 25	120	1 62½	
George Usher.....	"	2	2			200			1 25	1 25	240	1 62½	
McClure & Moon.....	"		4			80				1 25	360	1 62½	
William Moon.....	"		2			85				1 25	320	1 62½	
John Pearson.....	"	2	5			220			1 00	1 25	960	1 62½	
Thos. Kipling.....	"		2			100				1 25	120	1 62½	
Wm. Kipling.....	"	3	6			160		1	1 25	1 25	480	1 62½	
Wm. Bright.....	"	2	5			120			1 00	1 25	240	1 62½	
L. S. Vawter.....	"	2	4			180			1 00	1 25	720	1 62½	
Bright & McCord.....	"	4	4			100			1 00	1 25	480	1 62½	
John Wilson.....	"	1	3			100			1 00	1 25	200	1 62½	
N. Robinson & Son.....	"	2	3			120			1 25	1 25	560	1 62½	
Myers & Stevens.....	"	6	10			225			1 25	1 25	1,000	1 62½	
Geo. Wakefield.....	"	1	4			120			1 25	1 25	250	1 62½	
Underhill & Yapp.....	"		2			90				1 25	200	1 62½	
John Berry.....	"	1	3			120			1 00	1 25	240	1 62½	
William Berry.....	"	1	3			120			1 00	1 25	300	1 62½	
Wm. McIntosh.....	"	1	2			120			1 00	1 25	250	1 62½	
Reed Gordon.....	"	3	4	1	1	150			1 00	1 25	560	1 62½	
Michael Hume.....	"	4	4			225			1 25	1 25	1,000	1 62½	
Dull & Waddle.....	Tennessee.		7	3	2	110				1 12½	500	1 62½	
A. Newland.....	"	4	4			120			1 00	1 12½	480	1 62½	
Stephen Justin.....	"	1	3			180			1 00	1 12½	650	1 62½	
Thas. Millitt.....	Prairie City	2	4	1		220			1 00	1 25	800	2 25	
Bradbury & Co.....	"	4	4	2		200			1 00	1 25	680	2 25	
Good & Co.....	Bushnell	2	4			150			1 00	1 12½	600	1 75	
O. P. Hollister.....	"	1	4			150			1 00	1 12½	480	1 75	
Wash. Smith.....	Industry		3			100				1 25	200	1 75	
E. C. Jones.....	"	1	2			150			1 00	1 12½	600	1 75	
Richard Jones.....	"		4			120				1 12½	820	1 75	
Robert Brown.....	"		2			100				1 12½	200	1 75	
Joseph Byble.....	"	1	3			200			1 00	1 22½	600	1 75	
I. Cunningham.....	"		2			100				1 12½	450	1 75	
James Kirby.....	"		1			70				1 12½	50	1 75	
Joseph Dodds.....	Blandville	2	7	2	1	150			1 25	1 25	720	2 25	
R. Harvey.....	"		3			80				1 25	425	2 25	
Totals (62 mines).....		472	592	76	39			4			104,274		
Averages.....						149			\$1 11.9	\$1 31.1		\$1.61 1	

*Mercer County—Second District—1888.*

Name of firm, com- pany or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.	All other em- ployes.....	Boys employed underground..	Days worked dur- ing year.....	Kegs of powder used during year	Cas- ualties.....	Price per ton for mining.		Total tons of coal mined.....	Av. value per ton at the mine.....		
								Summer..	Winter ..			Summer..	Winter ..
-Coal Val. M. Co. shaft " " slope	Cable .....	133	178	118	16	161	2,158	1	\$0 95	74,913	\$1 11		
-Co-op. Tile Co.	" .....	5	18	21	1	180	1,905	1	95	30,717	1 11		
-Chas. Peterson	" .....	1	20	5	1	140	150	1	1 00	4,808	1 11		
Empire Coal Co.	Gilchrist..	75	12	1	1	180	30	1	75	1,327	1 11		
Sam. Guthrie	" .....	2	90	83	6	303	2,142	1	75	33,745	1 11		
John D. Tarr	" .....	1	2	1	1	80	11	1	75	435	1 11		
F. M. Martin	Viola .....	2	7	2	2	200	125	1	75	3,000	1 11		
Russell Parks	" .....	2	6	1	1	200	80	1	75	2,080	1 11		
William Blaine	" .....	2	5	1	1	140	26	1	75	1,100	1 11		
John W. Foster	" .....	2	3	1	1	150	12	1	75	1,080	1 11		
Edward Borden	" .....	4	2	1	1	80	6	1	75	316	1 11		
Robert Taylor	Pre-Emp'n	3	8	1	1	180	80	1	75	2,900	1 11		
John Swanson	" .....	2	6	1	1	180	92	1	75	2,200	1 11		
John P. Carlson	N. Windsor	2	7	1	1	180	25	1 12½	1 12½	820	1 11		
Andrew Olson	" .....	1	9	1	1	100	25	1 12½	1 12½	730	1 11		
Griffin Bros.	" .....	1	2	1	1	100	25	1 12½	1 12½	200	1 11		
R. Thompson	Griffin .....	2	2	1	1	100	25	2	1 12½	450	1 11		
F. M. Bivens	Aledo .....	1	2	1	1	150	25	1 00	1 00	380	1 11		
C. Williams	Millersb'g.	2	1	4	1	180	25	1 00	1 00	360	1 11		
Henry Fowler	" .....	1	2	1	1	150	25	1 00	1 00	350	1 11		
	" .....	1	2	1	1	130	25	1 00	1 00	220	1 11		
Totals (31 mines)		287	384	190	24	6,192	4			167,931			
Averages						150		\$0 83.8	\$0 90.9		\$1 51		

*Rock Island County—Second District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All others employed.	Boys employed underground.	Days worked during year.	Keys of powder used during year.	Casualties.	Price per ton for mining.	Total tons of coal mined.	Av. value per ton at the mine.		
		Summer.	Winter.										
Taylor Williams	Rapide C'y	35	35	12	.....	225	552	2	\$0 75	\$0 75	17,720	\$1 11	
Silvis Bros. (shaft)	Carbon C.	7	17	2	.....	300	94	1	87½	1 00	4,712	\$1 11	
Silvis Bros. (slope)	"	10	20	5	2	300	138	1	87½	87½	3,313	\$1 11	
Northern Mining Co.	Hampton..	22	24	5	1	171	142	1	1 00	1 00	3,598	\$1 11	
Guckert Bros.	"	4	4	1	1	140	4	1	1 00	1 00	693	\$1 11	
John Hynd	Moline....	9	16	2	1	200	120	1	87½	1 00	4,034	\$1 11	
John Loding	"	8	16	3	2	220	90	1	87½	1 00	2,277	\$1 11	
Wm. Allison	"	1	7	1	1	150	30	1	1 00	1 00	1,200	\$1 11	
Geo. Donald	"	6	12	2	2	200	100	1	87½	1 00	3,200	\$1 11	
B. Davenport	Rock Isl'd	3	10	4	2	250	75	1	1 12½	1 12½	1,716	\$1 11	
Black D'm'd Coal Co	Coal Val..	14	20	2	2	150	25	1	93	98	3,294	\$1 11	
John Price	"	8	16	2	2	180	30	1	87½	87½	4	\$1 11	
Geo. Wilson	"	1	6	1	1	200	25	1	87½	87½	610	\$1 11	
David Edwards	"	1	2	1	1	180	25	1	87½	87½	480	\$1 11	
John Moros	"	4	4	1	1	100	25	1	87½	87½	440	\$1 11	
William Moss	"	2	2	1	1	100	25	1	87½	87½	320	\$1 11	
Joseph Garland	"	1	1	1	1	120	25	1	87½	87½	120	\$1 11	
Joseph Sackville	"	2	2	1	1	80	25	1	1 25	1 25	160	\$1 11	
Fred Vonach	Millan.....	5	12	2	1	200	25	1	87½	87½	2,200	\$1 11	
William Parker	"	1	8	1	1	180	20	1	87½	87½	380	\$1 11	
David Walsh	"	3	3	1	1	100	25	1	87½	87½	400	\$1 11	
Patrick McCarty	"	2	2	1	1	60	25	1	1 25	1 25	160	\$1 11	
Totals (22 mines)		132	239	45	7	1,420	3				57,872		
Averages						173			\$0 85.7	\$0 89.7		\$1 71.3	

*Schuyler County—Second District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.....	Boys employed underground.....	Days worked during year .....	Kegs of powder used during year .....	Casualties.	Price per ton for mining.	Total tons of coal mined .....	Av. value per ton at the mine.....		
		Summer..	Winter ..										
Rushville Coal Co....	Rushville..	30	75	14	4	200	1,446	1	\$0 70	\$0 75	28,921	\$1 20	
John Kerr.....	"	6	15	3	.....	200	1,062	.....	70	75	2,616	1 10	
Porter & Lawrence..	Ray.....	2	5	.....	.....	280	.....	.....	1 00	1 00	2,060	1 50	
Walter Croxton....	Pl't View	1	3	1	.....	120	15	.....	75	75	400	1 00	
John Easton.....	"	.....	3	.....	.....	100	7	.....	75	75	240	1 00	
Ralph Strong.....	"	.....	2	.....	.....	60	4	.....	.....	75	166	1 00	
Totals (6 mines)...		39	103	18	4	.....	2,534	1	.....	.....	34,403	.....	
Averages .....		.....	.....	.....	.....	160	.....	.....	\$0.719	\$0.769	.....	\$1 20.6	

*Stark County—Second District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.....	Boys employed underground...	Days worked during year.....	Kegs of powder used during year.....	Casualties.	Price per ton for mining.	Total tons of coal mined .....	Av. value per ton at the mine.....		
		Summer..	Winter...										
James Higbee .....	Wyoming.	2	8	2	1	200	25	.....	\$0 75	\$0 75	2,920	\$1 50	
C. Stephenson .....	"	2	6	1	.....	200	5	.....	75	75	1,489	1 50	
Robinson Bros .....	"	3	5	1	.....	200	4	.....	75	75	1,230	1 50	
Os. Swanson .....	"	3	4	1	.....	200	7	.....	75	75	960	1 25	
T. McCarty .....	"	.....	4	.....	.....	100	.....	.....	75	75	440	1 25	
Henry Newton .....	"	1	2	.....	.....	160	.....	.....	75	75	400	1 25	
R. Howarth .....	"	2	2	.....	.....	170	.....	.....	75	75	320	1 25	
Fred Charleston .....	"	1	1	.....	.....	150	.....	.....	75	75	280	1 25	
Foster Coulson .....	"	.....	2	.....	.....	80	.....	.....	75	75	200	1 25	
John Perkins .....	Modena...	1	6	1	.....	170	24	.....	75	75	944	1 50	
Sathan Snare .....	"	1	4	.....	.....	140	.....	.....	75	75	730	1 25	
John Scott .....	"	1	3	1	.....	180	.....	.....	87½	87½	680	1 50	
F. L. Talbot .....	"	1	4	1	.....	180	.....	.....	87½	87½	480	1 50	
Oscar Bass .....	Toulon...	2	6	2	.....	200	14	1	75	75	1,840	1 25	
Geo. Watson .....	"	3	5	1	.....	200	12	.....	75	75	1,520	1 25	
Wm. Newton .....	"	1	2	.....	.....	150	4	.....	75	75	320	1 25	
T. D. Aitken .....	Bradford..	2	2	1	.....	120	30	.....	87½	87½	497	1 75	
W. J. Eagleston .....	"	.....	6	1	.....	100	70	.....	.....	75	460	1 75	
Leuben Holgate .....	L'mb'd'vle	2	5	1	.....	120	23	.....	1 00	1 00	650	2 00	
James Green .....	Osceola...	1	7	1	.....	180	.....	.....	87½	87½	1,420	1 50	
Os. Armstrong .....	"	.....	2	.....	.....	100	.....	.....	87½	87½	120	1 25	
John Catton .....	W. Jersey.	1	4	1	.....	200	.....	.....	87½	87½	800	1 75	
Totals (22 mines) ..	.....	30	90	16	1	.....	218	1	.....	.....	18,690	.....	
Averages .....	.....	.....	.....	.....	.....	159	.....	.....	\$0.787	\$0.787	.....	\$1 44.6	



## Warren County—Second District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kege of powder used during year.	Casualties.	Price per ton for mining.	Total tons of coal mined.	Av. value per ton at the mine.		
		Summer.	Winter.										
John Simcock.....	Alexis.....	2	5	2	1	200	50	...	\$0 87½	\$0 87½	2,120	\$1 12½	
Wm. Cook.....	".....	1	4	1	...	200	45	...	1 12½	1 12½	1,200	1 12½	
Wm. Johnson.....	Monmouth.....	4	9	1	...	180	8	1	1 12½	1 12½	1,100	1 12½	
John Moulton.....	".....	2	3	1	...	175	2	...	1 12½	1 12½	1,100	1 12½	
Thos. Hubbard.....	".....	1	5	1	...	200	...	...	1 25	1 25	1,200	1 25	
Wm. Packard.....	".....	...	4	1	...	120	...	...	1 25	1 25	1,200	1 25	
John Selkirk.....	".....	1	2	2	1	180	5	...	1 12½	1 12½	1,100	1 12½	
Thos. Swan.....	".....	2	4	1	...	200	...	...	1 25	1 25	1,100	1 25	
Andrew Walsh.....	".....	2	3	...	...	200	...	...	1 25	1 25	1,100	1 25	
J. V. White.....	Roseville.....	3	6	...	1	180	...	...	1 25	1 25	1,100	1 25	
Thomas Lee.....	".....	...	2	...	...	100	...	...	1 25	1 25	1,100	1 25	
L. K. Lammerts.....	".....	...	3	1	...	100	...	...	1 25	1 25	1,100	1 25	
J. T. Bragg.....	".....	...	3	...	...	100	...	...	1 25	1 25	1,100	1 25	
Thos. Emmerson.....	".....	1	1	...	...	160	...	1 25	1 25	1 25	1,100	1 25	
Joseph Wilson.....	Swan Crk.....	...	4	...	...	110	...	...	1 25	1 25	1,100	1 25	
Wm. Moler.....	".....	2	5	...	...	150	...	1 25	1 25	1 25	1,100	1 25	
J. W. Boston.....	".....	1	4	...	...	150	...	1 25	1 25	1 25	1,100	1 25	
Thos. Wearmouth.....	".....	...	3	...	...	100	...	...	1 25	1 25	1,100	1 25	
Joseph Simpson.....	".....	...	1	...	...	80	...	...	1 25	1 25	1,100	1 25	
Alfred Romine.....	Yngstown.....	2	3	1	1	180	...	1 25	1 25	1 25	1,100	1 25	
O. H. Stewart.....	".....	2	2	...	...	180	...	1 25	1 25	1 25	1,100	1 25	
Thomas Lee.....	".....	...	2	...	...	100	...	...	1 25	1 25	1,100	1 25	
R. Wilson.....	".....	...	2	...	...	80	...	...	1 25	1 25	1,100	1 25	
H. H. Lyon.....	Kirkwood.....	2	5	1	...	208	...	1 25	1 25	1 25	1,100	1 25	
Totals (24 mines).....	.....	28	85	12	4	...	116	1	...	...	15,518	...	
Averages.....	.....	...	...	...	...	150	...	...	\$1 15.4	\$1 15.4	...	\$1 15.4	

## Recapitulation by Counties—Second District—1888.

COUNTIES.	MINES.					MINERS.								PRICES AND PRODUCTS.				
	Number of mines..	Shipping mines....	Mines in local trade	New mines.....	Abandoned mines..	No. of miners and other employés.			Average number of days worked.....	Number of kegs of powder used.....	Casualties.		Average Price for hand min- ing.		Total tons of coal mined.....	Average value per ton at the mine....		
						Miners, win- ter.....	Miners, sum- mer.....	Other em- ployés....			Boys under- ground.....	Killed.....	Injured.....	Summer...			Winter. ...	
Bureau...	17	5	12	0	5	1,135	1,588	452	29	281	534	3	14	\$0 89.9	\$0 90	635,097	\$1 32.9	
Hancock.	6	1	5	2	2	13	39	6	...	170	.....	.....	.....	1 07.6	1 12.5	6,515	1 62.4	
Henry....	28	5	23	5	4	203	375	51	7	196	100	1	1	83.2	85.8	108,831	1 52.8	
Knox....	41	1	40	6	4	97	247	28	1	158	.....	.....	2	87.6	87.3	57,043	1 41.4	
Marshall.	18	1	17	2	4	174	242	36	4	118	51	1	3	89.9	89.8	87,018	1 57.4	
McDon gh	62	9	53	5	6	472	592	76	39	149	.....	.....	4	1 11.9	1 81.1	104,274	1 64.1	
Mercer...	21	4	17	2	2	237	384	190	24	150	6,192	....	4	83.8	90.9	167,931	1 55.1	
Rock Isl'd	22	4	18	1	3	182	239	45	7	173	1,420	....	8	85.7	89.7	57,872	1 71.9	
Schuyler.	6	2	4	1	2	39	103	18	4	160	2,534	....	1	71.9	76.9	34,403	1 20.6	
Stark....	22	..	22	1	2	80	90	16	1	159	218	....	1	78.7	78.7	18,690	1 44.6	
Warren..	24	..	24	3	2	28	85	12	4	150	116	....	1	1 15.4	1 15.4	15,518	1 85.8	
Totals...	267	32	235	28	36	2,560	3,984	930	120	.....	11,155	5	34	.....	.....	1,238,187	.....	
Averages..	..	..	..	..	..	..	..	..	..	165	..	..	..	\$0 89.8	\$0 82.8	.....	\$1 47.25	

Whole number of openings reported in 1887..... 275

Number of new mines or places opened during the year..... 28

Number of mines exhausted or abandoned during the year..... 86

Whole number of openings reported for 1888..... 267

THIRD DISTRICT.

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MR. JOHN S. LORD,

*Secretary of the Bureau of Labor Statistics, Springfield, Ill.*

SIR: In compliance with the mining law defining the duties of mine inspectors I herewith submit to you the fifth annual report for the Third Inspection District.

This report contains a statement of the improvements in general that have been accomplished during the year; the new mines that have been and are being opened out; the progress of coal mining machinery compared with hand-mining; a tabular statement of the total output of coal; the relations between employer and employés; a list of fatal and non-fatal accidents, etc.

The chief duties of the mine inspector are to examine the mines with respect to their safety and sanitary condition, and to see that the laws on the subject are enforced.

That portion of the law relating to the safety of the miners is generally enforced and the result has been to greatly reduce the number of accidents. Of the 135 fatal and non-fatal accidents last year only four are traceable to the neglect on the part of the operators to comply with the law.

One of the principal dangers to which miners employed in shafts, are daily exposed, arises from their being raised and lowered by machinery in going to and from their work. To counteract this danger, as far as practicable, I have had the greater number of the large operators in this district adopt a system of having the hoisting ropes, cages, etc., examined daily by a competent person, and a statement of such examination then written out and signed by the examiner. The engineer is also required to examine the external parts of his engine, the machinery, the boiler and its fittings, and to make a statement of the same with his signature attached. Since the adopting of this daily examination of the hoisting equipment in general I have on later visits found, as a rule, that the whole is being kept in better order than formerly, because there is now some one responsible for the condition of the machinery etc., whereas formerly it was the business of no one in particular.

All the measures prescribed by the mining law for the safety of those employed in mines, such as escapements and their equipments, man-ways, signals, places of refuge and the general safety of the hauling and traveling ways, are as a rule well complied with by most of the operators. There are no unfinished escape-ment shafts in the district which are over due.

The sanitary condition of the mines is better than during previous years. There have been nine new ventilating fans erected in the past year, four of which have taken the place of furnaces, and three are in place of fans which were too small for the requirement, while two have been put on new openings. This makes 43, out of a total 225 mines, ventilated by fans. It looks very small when compared with the total number of mines, but these 43 mines employ in summer 2,020 miners out of a total 2,681, which leaves only 661 miners divided amongst 182 mines which are ventilated either naturally or by steam jet or furnace; this number is no doubt proportionally largely increased in the latter mines in winter time. In cold weather there is never any lack of ample ventilation from natural causes, if the openings and airways are in a fair condition; still there are quite a few of the operators who persist in the old method of ventilating their mines by furnaces. Some time ago I proved by figures to one of the Peoria operators that his furnace was costing him nearly \$300 per year, and that very poor results were obtained in ventilation for that money, he finally put in a fan which cost him, when finished, about \$250. This change gave him five times more air, with only an expense of oil, and 500 pounds of slack, for the boiler furnace daily, which may be valued as akin to nothing at a coal mine where slack is a drug.

I also find good results from the daily examination of the working places and entries as prescribed by section four of the mining law.

#### NEW OPENINGS.

There have been 25 new openings during the past year. The most important is the Colfax Coal and Mining Co., Colfax, which is situated 22 miles north-east of Bloomington on a branch of the Illinois Central R. R. At a depth of 400 feet, 5 feet, 6 inches of a good quality of coal was reached, with a good shale roof. This coal is favorable for machine mining, it having six inches of an impure splinty coal in the bottom, and any of the mining machines could do favorable work in this under part; this part of the coal being unmarketable anyhow, will have to be left in the gobbing.

Adam Sholl has opened a new mine at Hilton, Tazewell county, on the L. E. & W. R. R. This mine is well equipped, and his intention is to put in mining machinery as soon as the mine is a little more developed.

Newsome, Brothers & Co. have opened a new slope at Mapleton, and at the Orchard Mines, Peoria county.

Burbridge & Parmely have opened a new mine at Farmington, Fulton county, on the Central Iowa Railroad.

J. M. Walters & Co. have lately re-opened the old mine at Kingston Mines, Peoria county. This is one of the oldest, important water shipping coal mines in this State. It was opened first in 1842 by a St. Louis Co. with a view of coaling their many river steamers then plying on the Illinois river. The old company also shipped considerable coal in barges to the Chicago market during the navigable season of the year, but they gave up the business in 1875, and the mine plant has been lying in ruins ever since. The new company has leased a line of small steamers and barges, and is taking coal to Chicago, and bringing lumber, salt and other freight on their return trip, thus enabling them to ship coal to that point at considerably less than railroad rates.

The Chenoa Coal & Mining Co. have lately commenced to sink a shaft one-fourth of a mile east of the town of Chenoa, in McLean county, on the T., P. & W. Railroad. Their intention is to strike the same vein that has been found at Colfax, in the same county.

The Quincy Coal Co. have almost completed sinking a coal shaft at Farmington. The mine is situated one mile north of the town of Farmington, and on the line of the Buda branch of the C., B. & Q. R. R. This favorable situation, and the fine equipment of the mine, promise to make it one of the foremost mines in the district, in point of output.

J. M. Walters & Co. and J. D. Kerr & Co. are sinking shafts at Claire, Fulton county, on the line of the Central Iowa Railroad.

#### MINING MACHINES.

The first introduction of mining machines in this district was at the Grape Creek Coal & Coke Co.'s No. 5 mine, Grape Creek, in 1884. They introduced the Yock mining machines, but owing to their being so cumbersome to handle, and the roof requiring to be closely propped to the room's face, it proved impracticable to operate them profitably, and made the cost of the coal produced by them as much, if not more than that mined by hand. The same company, in the same mine, introduced the Legg mining machine in 1887, but after four months experimenting, they found the same difficulty as with the Yock machine. If the roof would permit of the propping being kept back eight feet from the line of the coal face, there is no doubt that the latter mining machine would have done good work, and enabled the company to produce the coal at considerably less than by hand-mining.

The next company to introduce machines was Millard & Woolschlag, of Peoria. They are operating the Harrison mining machine, and pay three cents per square foot to the machine runner and his assistant, or something like 18 cents per ton. They get the machine-mined coal shot down, loaded, and the rooms timbered,

for 32½ cents per ton, making the machine-mined coal cost the company 50½ cents per ton, or, considering the engineer's wages, wear and tear in machines, and interest on capital, etc., it costs nearly 55 cents per ton. Compared with hand-mining prices in the past year, in the same locality, which were 75 cents in summer and 80 cents in winter, there is a material difference. There is another advantage which this company secures from mining by machine. In mining by hand, (or, as locally termed, shooting off the solid,) there is at least 25 per cent. of the softest and best of the coal shattered into fine slack, and left lying in the gobbing. The machines have reduced this loss to a minimum, or at most not more than 5 per cent. The machines have also reduced the price of powder for blasting from the average cost of 13 cents per ton for hand-mining, to 2 cents per ton, which means nearly one-seventh less powder smoke to be carried off, and which also means a healthier mine. This company has also been lately making itself felt in the Peoria market by taking important contracts to furnish coal for one year, at a figure sufficiently low to secure the contract, and yet, through the assistance of mining machines, it is able to make a profit sufficient to warrant it in taking such contracts, and, at the same time, give more constant employment to their men.

The Menard Coal Co., at Greenview, have put in the Harrison mining machine lately, and so far the operators of the machines have been working on day's wages, but the company claims, on a test of six days, that a machine cutter undermined 504 tons. The average cutter there undermines 240 square feet per shift, which costs about ten cents per ton for the cutter and shoveler. This company also claims that the shooting down and timbering costs 15 cents per ton, and that the loading of the coal costs 22 cents per ton, which in all amounts to 47 cents, not to mention the engineer's wages and interest on the investment. This, compared with the hand-mining price, which is at present 55 cents per ton for that locality, leaves a very small margin for the investment.

The height of the Greenview coal being six feet, and the advantage derived from hand-drilling machines, enable the miner to produce this coal, and yet make fair wages, at a figure that machines will find it hard to compete with.

Emerson & Co., Dumfermline, who opened out an extensive mine nearly two years ago, tested the Legg mining machines when they first opened, but laid them aside until they should have more territory opened out. In June of this year, they commenced to put the machines in operation again, but their experiment was so short that we cannot, as yet, give any definite figure as to the cost of production, compared with hand-mining in that locality, but from the outlook so far it promises to be a judicious investment.

Peoria and Fulton counties are more promising for mining-machine investment than any other counties in this district. The No. 5 seam (Geological number) in these two counties is very much

less affected by "horse-backs" and other faults which are predominant in the same seam in other counties. It has also an excellent roof, which, if little blasting powder is used, will stand with propping at least ten feet behind the line of the coal face, and very few props are required to support the roof, compared with what the same seam requires in other counties. However, the coal being so hard and strong and requiring so much powder to force it from the solid, will be a handicap on hand-mining and favor machine-mining.

The Elmwood Coal Company, of Elmwood, have lately introduced the long-wall method of operating this hard seam of coal, and the indications are that it is a better method for the operator and miner than the former system of shooting off the solid.

The amount of coal business done in this district last year was greater than during any year since the mine inspection service was inaugurated. Owing to the strikes that took place at Grape Creek and St. David, which reduced the output for the past two years, the total output was considerably less than if all had been working as usual, but the increase is general this year in all the counties in the district, with the exception of McLean.

The coal operators of Peoria, Fulton and Logan counties are trying harder every year for a share of the great North-western coal trade. Their coal may be somewhat harder and of an inferior quality, compared with the northern coal of this State, yet the favorable points are, that the operators in these counties are producing and offering it for less per ton than their northern competitors. Its being of a harder nature is a point in its favor for shipping and handling and storage, the loss being considerably less than that of finer and softer coal. Another advantage is that agents in the North-west can store quantities of this coal in the early part of the winter season before the railroads become blockaded with snow. There is no doubt that this increase in output is mostly finding its way to the North-west. The following table will give a statement as to the increase or decrease in each county as compared with 1887:

COUNTIES.	Tons for 1887	Tons for 1888	Increase.	Decrease.
Peoria.....	452,123	533,817	81,694	
Vermilion ..	359,119	499,076	139,857	
Fulton .....	335,215	461,589	124,774	
Menard.....	155,621	181,075	25,454	
McLean.....	141,700	117,110		24,590
Woodford..	122,445	158,500	36,055	
Logan.....	159,000	174,330	15,330	
Tazewell....	51,847	59,324	7,477	
Cass .....	2,325	7,300	4,975	
Total.....	1,781,395	2,192,121	435,616	24,590
Total decrease.			24,590	
Net increase.			411,026	

McLean county shows a decrease of 24,590 tons compared with the previous year; all the other counties show a total increase of 435,616 tons, minus 24,590, gives a total increase for this district of 411,026 tons over last year.

The following is a table showing the number of fatal and non-fatal accidents for the amount of coal produced; and also the number of miners and others employed, for the output:

Number of miners employed in 1887.....	3991
“ “ “ “ “ 1888.....	4420
Increase .....	429
Number of other employes about the mine in 1887.....	912
“ “ “ “ “ “ “ “ 1888.....	830
Decrease.....	82

Number of tons produced for every fatal accident this year, 221,911.

Number of tons produced for every non-fatal accident, this year, 55,477.

### STRIKES.

There have been only two strikes in this district during the last year. The first was by the miners employed by the McLean County Coal Company, at Bloomington. The company having discharged a few of their employes for taking a leading part in forming a Union, the miners, as a body, came out on a strike to have those who had been discharged reinstated. After a three weeks' parley, the company having succeeded in getting other miners, the old miners returned to work. The other was a four weeks' strike which was begun about the first of June by the miners in the employ of the Cuba and Canton Coal Mining Company, at Canton. The operators insisted upon reducing the price for mining five cents per ton, to bring the price to the same basis as paid at their mine at Cuba. Subsequently, the company consented to restore the former price, and the miners then resumed work. The relation between operators and miners has been more amicable this year than has been the case for two years previous.

### FATAL ACCIDENTS.

The number of fatal accidents for this year is considerably greater than during former years. Three of these fatal accidents have occurred to parties who were not directly producing coal. Robert R. Reid of Lincoln was working in a clay vein; Robert R. Young of Fairmont was employed as a top-man at a sinking shaft; and Oliver Hulick of Canton was employed as a coal trimmer. Following are the tables of casualties:



*Fatal Casualties in the Third District.*

Date.	Name.	Age	Residence.	Married	Single	Children	Cause of Accident.
1887.							
July 21	Baker, William	38	Grape Creek	1	1	1	Crushed by falling rock in entry
Nov. 14	Douglas, Stephen	41	"	1	1	1	Crushed by falling rock in room
Dec. 29	Helmet, John	32	Peoria	1	1	1	Discharge of blast in adjoining room
1888.							
Jan. 12	Coleman, A. J.	30	Grape Creek	1	1	1	Falling rock in room
" 12	Carter, J. L.	27	"	1	1	1	Falling rock in room
" 20	Wepeacki, Frank	33	Minonk	1	1	1	Falling rock in room
Feb. 10	Hulick, Oliver	23	Canton	1	1	1	Railway car at dump
Mar. 1	Reid, Robert R.	18	Lincoln	1	1	1	Falling down shaft
" 12	Young, Robert R.	31	Fairmont	1	1	3	Falling down shaft
" 31	Rice, Benjamin	43	Elmwood	1	1	2	Discharge of blast in adjoining room
	Totals			4	6	13	

α Colored.

## RECAPITULATION.

Residence.	No.	Casualties.	No.	Per cent.
Canton	1	Discharge of blast	2	2
Elmwood	1	Falling rock in room and entry	5	5
Fairmont	1	Falling down shaft	12	12
Grape Creek	4	Railway cars	1	1
Lincoln	1			
Minonk	1			
Peoria	1			
Totals	10	Totals	10	100.0

The list of non-fatal accidents is the same in number as that of the previous year.

*Non-Fatal Casualties in the Third District.*

Date.	Name.	Age	Residence.	Married	Single	Children	Character of Injury and Cause of Accident.	Time lost.
1887.								
July 21	Kalaga, Wm.	30	Grape Creek	1	1	1	Injured by falling rock	2 weeks.
" 22	Poloschofski, John	45	Minonk	1	1	2	Injured by falling rock	10 days.
Aug. 2	Mitton, Lee	21	Sweetwater	1	1	1	Injured by falling rock	3 months.
" 4	Layman, Carl	26	Pekin	1	1	1	Hip injured by falling rock	1 month.
" 11	Baughman, John	38	Roanoke	1	1	3	Foot injured by falling coal	5 weeks.
" 11	Haggerty, John	28	Bloom'gton	1	1	1	Collar bone broken by pit-car	6 weeks.
Sept. 27	Yeates, Harry	35	Lincoln	1	1	4	Injured by premature blast	2 months.
Oct. 11	Stooke, Edward	41	Peoria	1	1	5	Injured by falling rock	5 weeks.
" 18	Murphy, John	20	Canton	1	1	1	Injured by pit-car	6 weeks.

*Non-Fatal Casualties—Continued.*

Date.	Name.	Residence.	Residence.	Married.	Single.	Children.	Character of Injury and Cause of Accident.	Time lost.
1887.								
Nov. 2	Polletto, Antonio.....	35	Norris.....	1	..	..	Injured by premature blast.....	6 weeks.
" 7	Pope, Charles.....	39	Peoria.....	1	1	..	Injured by falling coal in mine..	3 months
" 16	Morris, Wm.....	35	".....	1	..	3	Leg broken by falling rock.....	4 months
" 16	Morris, James.....	32	".....	1	..	2	Leg broken by falling rock.....	10 weeks.
" 30	Plucke, Fritz.....	40	Bloom'gton..	1	..	5	Foot injured by falling coal.....	2 weeks.
" 30	Klock, Levi.....	50	Mt. Pulaski..	1	..	4	Burned by accidental explosion of powder.	2 months
" 30	Troeger, Anton.....	35	".....	1	..	6	Burned by accidental explosion of powder.	7 weeks..
Dec. 6	Danno, Dominic.....	26	Dumfermline..	1	..	1	Injured by descending cage.....	4 months
" 10	Young, Giles.....	17	Cuba.....	1	..	1	Spine injured by falling coal.....	6 months
" 10	Fisher, Robert.....	29	Minonk.....	1	..	1	Injured by pit-car.....	3 months
" 21	Fuller, Frank.....	23	Mapleton.....	1	..	1	Head injured by coal from a shot	8 weeks..
1888.								
Jan. 6	Dingler, Oris.....	45	Lincoln.....	1	..	5	Injured by falling rock.....	5 months
Feb. 8	Merchant, Theodore.....	32	Farmington..	1	..	4	Foot injured by falling coal.....	6 weeks.
" 8	Peterson, August.....	29	Bloom'gton..	1	..	1	Ribs broken by falling rock.....	10 weeks.
" 13	Spallmar, Frank.....	25	Norris.....	1	..	1	Foot injured by descending cage..	7 weeks.
" 15	Swanson, John.....	23	Bloom'gton..	1	..	1	Leg broken by descending cage.....	12 weeks.
" 16	Taylor, Wm.....	18	Danville.....	1	..	1	Leg broken by pit-cars.....	4 months
" 25	Brosewell, Lew.....	44	".....	1	..	4	Back injured by falling coal.....	5 months
Mar. 6	Lewis, Thomas.....	16	St. David.....	1	..	1	Leg injured by pit-cars.....	10 weeks.
" 12	Waugh, Adam.....	35	Bartonville..	1	..	2	Burned by explosion of powder.....	2 weeks.
" 24	Frank, P. J.....	49	Danville.....	1	..	2	Leg broken by falling rock.....	4 months
Apr. 3	Anderson, D.....	35	Grape Creek..	1	..	1	Back injured by falling rock.....	7 weeks.
" 13	Lewis, Daniel.....	18	St. David.....	1	..	1	Hand injured by pit cars.....	4 weeks.
" 14	Ellsworth, Elmer.....	24	".....	1	..	1	Head injured between car and roof.	4 weeks.
" 23	Hoffman, Joseph.....	50	Minonk.....	1	..	1	Injured by a pit-car.....	8 months
" 24	Simmerman, H.....	35	".....	1	..	1	Arm injured by falling rock.....	3 weeks.
" 27	Morgan, J.....	24	Grape Creek..	1	..	1	Leg broken by pit-cars.....	10 weeks.
May 5	Gofinch, Edward.....	20	St. David.....	1	..	1	Hand injured by check hook on pit-car.	2 weeks.
" 25	Witherill, A.....	21	Grape Creek..	1	..	1	Body injured by blast in adjoining room	10 days..
" 25	Eggert, Robert.....	* 23	".....	1	..	1	Leg broken by blast in adjoining room	.
" 25	Swanson, Alfred.....	17	Bloom'gton..	1	..	1	Arm injured by falling rock.....	4 weeks.
	Totals.....			20	20	53		158 m'ths

\* Not yet recovered,—unable to work.

† An average of 40 days to each man.

## RECAPITULATION.

Residence.	No.	Casualties.	No.	Per cent.
Bartonville.....	1	Blast discharge.....	5	12.5
Bloomington.....	5	Descending cages.....	3	7.5
Canton.....	1	Falling coal in mine.....	6	15
Cuba.....	1	Falling rock in mine.....	13	32.5
Danville.....	8	Pit-cars.....	10	25
Dumfermline.....	1	Powder—accidental explosion.....	3	7.5
Farmington.....	1			
Grape Creek.....	5			
Lincoln.....	2			
Mapleton.....	1			
Minonk.....	4			
Mt. Pulaski.....	2			
Norris.....	2			
Pekin.....	1			
Peoria.....	4			
Roanoke.....	1			
St. David.....	4			
Sweetwater.....	1			
Total.....	40	Totals.....	40	100.00

## Cass County—Third District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine..	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES	
		Miners employed.		All other employes.....	Boys employed underground.....	Days worked during year.....	Keys of powder used during year.....	Casualties.		Price per ton for mining.		Total tons of coal mined.....	At the mine.....
		Summer..	Winter ..					Killed.....	Injured.....	Summer..	Winter ..		
Russell & Co .....	Ashland ..	6	16	4	1	250	35	..	..	\$0 87½	\$0 95	4,048	\$1 24
Wm. Shores .....	Ch'dl'ville	3	5	1	..	210	20	..	..	1 00	1 28	1,700	1 24
Wm. Hinchcliff .....	"	..	2	1	..	142	11	..	..	..	1 28	710	1 24
Hinchcliff & Co.....	"	2	3	1	..	180	14	..	..	1 00	1 28	828	1 24
Totals (4 mines)...	.....	11	26	7	1	..	80	..	..	..	..	7,386	..
Averages .....	.....	..	..	..	..	185.2	..	..	..	\$0 92.3	\$1 10.3	..	..

## Fulton County—Third District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES	
		Min'rs employed		All other employes	Boys employed underground	Days worked during year	Keys of powder used during year	Casualties		Price per ton for mining		Total tons of coal mined	At the mine per ton
		Summer	Winter					Killed	Injured	Summer	Winter		
Emmerson & Co.	Astoria	65	65	10	2	170	800			\$0 67½	\$0 67½	45,596	\$1 24
Green Bros	"	2	6	1		240	63			67½	67½	1,234	1 24
A. Markham	"		4	1		180	42				67½	1,250	1 24
Choikly & Baghtol	"		2			240	36			67½	67½	710	1 24
Robt. Roddis	Ipava	3	3			200	48			67½	67½	1,340	1 24
Notman & Begtol	"	3	3	1		150	30			67½	67½	1,260	1 24
H. Florence	Lewistown		3			165	10				1 00	1,000	1 24
John Wickell	"		2			130	8				1 00	500	1 24
Isaac Bath	"	2	3			200	14			1 00	1 00	950	1 24
Wait & Carter	Bryant	25	35	6	4	210	270			70	75	5,900	1 24
Taylor Williams	St. David	70	100	20	1	260	2,443	4		70	75	1,355	1 24
Emerson & Co	D'mfe'line	60	120	18	5	300	1,700	1		70	75	2,576	1 24
A. H. Heald	Canton	40	90	12	2	220	1,900	1	1	70	75	2,574	1 24
C. & C. Con. C. & C. C.	"	10	35	6	2	200	600			70	75	13,551	1 24
J. & R. Savil	"		4	2	1	210	140			70	75	2,270	1 24
Isaac Whitehouse	"		1	3		240	46			70	75	1,130	1 24
Canton Gas Co	"		4	6	1	280	60			70	75	2,010	1 24
Jesse Williams	"		2	4	1	230	45			70	75	1,340	1 24
Wedge Bros	"		2	3		240	25			70	75	1,060	1 24
Ed. Canthrell	"		2	2		200	21			70	75	780	1 24
Jones & Co	"		2	4	1	280	40			70	75	1,200	1 24
Minett & Stephens	"		2			80	10			70		440	1 24
Jackson & Vanslyck	"		2			100	8			70		380	1 24
John Bennett	"		1	4		190	41			75		1,000	1 24
C. Savil	"			1		100	10				75	100	1 24
J. Jardine	"			2		90	12				75	380	1 24
John Dawson	"			2	1	100	9				75	400	1 24
Jacob Smith	"			1		100	5				75	200	1 24
Far. Meechan	Breeds	30	35	4	2	250	350			65	75	14,000	1 24
Mrs. P. P. Chapman	Farm'gton	25	32	8	2	220	1,109	1		70	75	20,143	1 24
Burbridge & Parmely	"		8	20	6	200	780			70	75	14,200	1 24
Wm. Raffle	"		2	5	1	230	6			60	60	1,500	1 24
M. Berry	"			2		120	5				80	500	1 24
Taylor Williams	Norris	75	100	20	2	252	1,671	2		75	80	42,575	1 24
Chas. Drawyer	"			2		180	4				80	370	1 24

## Fulton County—Continued.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed		All other employees	Boys employed underground	Days worked during year	Kegs of powder used during year	Casualties		Price per ton for mining.		Total tons of coal mined	Av. value per ton at the mine
		Summer	Winter					Killed	Injured	Summer	Winter		
Valter & Co.	Middle Gr.	4	2	2		40				\$0 60		500	\$1 25
C. C. Zimmerman	"	1	2			200				60	\$0 60	480	1 25
C. & C. Con. Coal Co.	Cuba	30	50	9	3	215	550	1		65	75	24,341	1 15
Union Coal Co.	"	12	30	5	1	280	281			65	75	12,500	1 05
Co-op. Coal Co.	"	12		5		80	65			65		2,400	1 05
Hirt Bros.	"		6	1		180	87				75	3,600	1 12½
utherford & Son.	"	10	20	2	2	215				55	65	12,870	1 10
agle Coal Co., No. 1	"	12	85	3		212	385			65	75	13,500	1 00
agle Coal Co., No. 2	"	2	12			300	35			65	75	1,500	1 12½
ickolson & Son.	"	8	10	1	1	280				80	65	4,500	1 05
Hubbell	Marletta	6		1		120				1 00		1,250	1 50
Wilson Varner	"	3	6	1	1	212				1 00	1 00	1,450	1 50
has. Howard	"		2			110					1 00	475	1 50
Wm. A. Hood	Bushnell	2	4	1		108				1 00	1 00	685	1 50
L. Whitehead	Babylon	2	6			200				1 00	1 00	2,800	1 50
R. Greene	Flatt	10	12	2	1	215	110			62½	75	6,850	1 00
ohn Bennett	"		2			115	6				75	385	1 00
ohn Williams	"		2			90	4				75	290	1 00
L. E. Gould	Fairview	2	6	1		230				62½	75	2,016	1 00
heo. Pompeas	"	2	4			210				62½	75	1,750	1 00
ohn Roots	"		2			100					75	420	1 00
A. Dray	"	4	2	1	1	220				62½	75	5,710	1 00
Wm. Thorp	"		2			116					75	275	1 00
amuel Parr	"		2			100					75	287	1 00
E. G. Heibbard	"		2			100					75	300	1 00
Sprinkler	"		1	2		180				62½	75	874	1 00
osiah Karr	"		2	2		84					75	235	1 00
ohn Aberdusky	"		2	2		90					75	480	1 00
ohn Packer	"		1	2		90					75	180	1 00
H. J. Stout	"		2	2		113	38				75	832	1 00
David Auld	Canton	2	2		1	210				70	75	780	1 00
Wm. Hughes	"	2				80	14			70		230	1 00
Totals (67 mines)		559	929	155	37	13,966	1 10					461,589	
Averages						173.8				\$0 69.2	\$0 74.63		\$1 14.44

\* 6,727 tons mined by a machine.

## Logan County—Third District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES, ETC.										PRODUCTS AND VALUES.	
		Miners employed		All other employees	Boys employed underground	Days worked during year	Kegs of powder used during year	Casualties		Price per ton for mining.		Total tons of coal mined	Av. value per ton at the mine
		Summer	Winter					Killed	Injured	Summer	Winter		
Lincoln Coal Co.	Lincoln	55	90	30	3	28	3,562		1	\$0 60	\$0 62½	84,500	\$1 15
Citizens' C. & M. Co.	"	75	130	27	6	265	3,300	1	1	60	62½	75,200	1 10
Union Coal Co.	Mt. Pulask	30	50	12	2	213	1,200		2	65	72	14,630	1 20
Totals (3 mines)		160	260	69	11	566	8,062	1	4			174,330	
Averages						253				\$0 60.4	\$0 63.3		\$1 13.3

*McLean County—Third District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES, ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kege of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer..	Winter..					Killed....	Injured....	Summer..	Winter..		
McLean Co. Coal Co.	Bl'mg't'n..	225	300	60	9	230	50	...	5	a	b	116,260	\$1.50
Colfax C. & M. Co.	Colfax....	12	...	6	...	90	86	...	...	\$0.75	...	880	1.50
Totals (2 mines)...	.....	237	300	66	9	...	86	...	5	...	...	117,110	...
Averages.....	.....	...	...	...	...	270	...	...	...	\$0.70	\$0.80	...	\$1.50

a Upper vein, Summer, \$0.60.  
Lower vein, Summer, \$0.80.

b Upper vein, Winter, \$0.70.  
Lower vein, Winter, \$0.80.

*Menard County—Third District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES, ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kege of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer..	Winter..					Killed....	Injured....	Summer..	Winter..		
Greenview Coal Co.	Greenview	35	65	12	2	190	1,285	...	...	\$0.60	\$0.62	30,870	\$1.12
Menard Co. Coal Co.	"	50	75	20	2	250	2,200	...	...	62	62	58,550	1.08
Petersburg Coal Co.	Petersb'rg	20	50	13	...	200	900	...	...	62	62	30,000	1.08
Wilken & Co.....	"	27	45	2	1	245	512	...	...	62	62	22,000	1.00
J. C. Cabanis.....	"	5	20	2	...	260	182	...	...	62	62	4,900	1.10
Levi Hohimer.....	"	2	4	1	...	180	93	...	...	62	62	1,400	1.15
James Golden.....	"	2	4	1	...	180	100	...	...	62	62	2,300	1.15
H. Snell.....	Tice.....	...	3	...	...	90	23	...	...	62	62	152	1.15
Athens Coal Co.....	Athens....	35	70	11	3	213	1,504	...	...	57	62	26,314	1.00
Wm. Parkin.....	Sweetwat'r	2	6	1	...	175	86	1	...	68	68	280	1.12
Totals (10 mines)...	.....	178	342	70	8	6,890	...	1	...	...	...	181,075	...
Averages.....	.....	...	...	...	...	200	...	...	...	\$0.61.3	\$0.62.7	...	\$1.05

\* 8,700 tons cut by machines.

COAL IN ILLINOIS.

Peoria County—Third District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYEES, WORKING TIME, WAGES—ETC.										PRODUCT VALUE
		Miners employed.		All other employes.	Boys employed underground.	Days worked during year.	Keels of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.	
G. W. Bethard.	Glassford.	16	.....	6	2	113	300	.....	.....	\$0	75	6,890
J. M. Walters & Co.	Kingston.	10	.....	4	.....	60	25	.....	.....	75	.....	450
Jefford Bros.	"	15	3	3	1	186	296	.....	.....	75	\$0	3,727
Frank Fanstock.	"	.....	4	1	.....	120	118	.....	.....	.....	75	1,450
Buckeye C. & C. Co., 1	Wolcott.	15	50	8	3	180	1,242	.....	.....	70	80	28,500
J. O'Shaughnessy.	"	.....	6	1	.....	90	150	.....	.....	.....	80	3,000
J. M. Tyson & Co.	Mapleton.	6	28	4	.....	160	575	.....	.....	75	80	11,750
James Reagan.	"	10	30	5	.....	111	419	1	.....	75	80	7,440
D. B. Roberts.	Or'd Mines	.....	3	.....	.....	80	26	.....	.....	.....	80	520
M. Nesselhouse.	"	2	2	.....	.....	100	23	.....	.....	.....	80	610
D. Goodwin.	"	2	2	.....	.....	240	56	.....	75	80	1,340	
John Shaunt.	"	.....	2	.....	.....	86	18	.....	.....	.....	80	460
F. Wheeler.	"	.....	2	.....	.....	70	15	.....	.....	.....	80	280
Newcome Bros. & Co	"	.....	4	1	.....	118	42	.....	.....	.....	80	880
Engleko & Sholl.	"	6	.....	2	.....	52	37	.....	75	.....	.....	740
German Co.-Op. C. C	"	2	5	1	.....	190	118	.....	75	80	3,460	
Adam Sholl.	"	14	14	2	.....	198	263	.....	75	75	5,070	
Chapman & Little.	Peoria	55	70	10	3	275	1,825	1	.....	75	80	41,900
Peoria Co.-Op. C. Co	"	.....	80	7	.....	200	680	.....	.....	80	80	11,540
Daily & Maynard.	"	23	30	7	.....	120	630	1	.....	75	80	9,150
Collier's Co.-Op. C. C.	Bart'nville	10	12	4	.....	110	220	.....	75	80	4,400	
Bogan & Fye.	"	24	24	7	2	270	1,378	.....	75	80	30,000	
W. Treasure.	"	6	12	2	.....	200	294	.....	75	75	6,711	
J. Anderson.	"	4	5	1	1	160	220	.....	75	75	6,300	
Millard & Wolschlag	"	.....	2	.....	.....	80	30	.....	.....	75	75	430
Woolen & Son	Peoria	30	50	8	2	240	1,100	.....	70	80	*36,300	
Fender Bros.	"	8	20	2	.....	226	360	.....	75	75	7,200	
John Laucks.	"	6	12	1	1	210	278	.....	75	75	6,700	
Frank Smith.	"	3	4	1	.....	195	110	.....	75	75	2,145	
James Days	"	3	6	1	1	180	162	.....	75	75	3,840	
John Glenn.	"	.....	2	.....	.....	135	15	.....	.....	75	75	240
George Keller.	"	6	10	1	2	275	331	2	75	75	2,840	
Edward Allen.	"	4	6	1	.....	235	310	1	75	75	5,780	
E. S. Wilcox.	"	.....	1	.....	.....	80	4	.....	.....	75	75	106
Royster Bros. & Co.	"	20	30	4	1	280	750	1	70	80	12,000	
P. Grant & Sons	"	25	60	7	.....	283	1,611	.....	70	80	32,500	
Star shaft Coal Co	"	20	35	5	2	270	800	.....	70	80	12,800	
Fred Moon.	"	15	28	6	3	180	664	.....	70	80	13,850	
Purcell & Martin.	"	2	3	1	.....	210	47	.....	70	80	824	
Brost Bros.	"	3	8	.....	1	280	190	.....	75	75	4,820	
F. Rewart.	"	2	6	1	.....	260	235	.....	75	75	4,410	
Butts & Moon.	"	2	3	1	.....	150	125	.....	75	75	800	
L. Rossman.	"	2	5	1	.....	190	115	.....	75	75	2,890	
John Birdoes.	"	.....	2	.....	.....	100	17	.....	.....	75	75	347
O'Keefe & McMast'n	"	2	4	.....	.....	280	103	.....	75	75	2,163	
Schneid'r & Harr'm'n	"	.....	4	.....	.....	108	58	.....	.....	75	75	1,236
Thomas Orr.	"	.....	2	.....	.....	112	40	.....	.....	75	75	832
John Nee.	"	.....	2	.....	.....	160	30	.....	.....	75	75	641
C. Lammus.	"	1	1	.....	.....	180	16	.....	75	75	280	
James Slain.	"	.....	2	.....	.....	86	18	.....	.....	75	75	400
James Walte.	"	.....	2	.....	.....	180	20	.....	.....	75	75	466
H. Vickery.	"	1	2	.....	.....	210	23	.....	75	75	580	
Mary A. Potts.	"	4	8	1	1	220	305	.....	75	75	7,200	
J. S. Allen.	Pottstown	2	3	.....	.....	140	49	.....	75	75	1,080	
Samuel Parker.	"	15	25	6	1	300	875	.....	70	70	7,150	
James Aberley.	"	2	4	1	.....	240	45	.....	70	70	940	
James Jones.	"	8	16	8	.....	200	350	.....	70	70	6,500	
Jesse Stafford.	"	.....	2	.....	.....	90	22	.....	.....	70	70	460
Wantling & Son.	"	.....	1	.....	.....	110	9	.....	.....	70	70	210
Cramm Bros.	Edwards.	15	30	5	3	216	500	.....	70	70	12,300	
Wantling & Howarth	"	20	28	5	.....	270	980	.....	70	70	20,000	
J. Wilkinson.	"	30	65	8	4	290	1,750	.....	70	70	35,000	
R. Lonsdale.	"	20	55	8	3	240	750	.....	70	70	25,096	
Wm. Harper.	"	.....	2	.....	.....	110	14	.....	.....	70	70	475
Wm. Lonsdale.	"	.....	2	.....	.....	130	18	.....	.....	75	75	400
Chas. Kingsley.	"	.....	3	.....	.....	100	18	.....	.....	75	75	580
	"	.....	2	.....	.....	120	15	.....	.....	75	75	490

## Peoria County—Continued.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Keys of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
A. Purtscher .....	Kramm ..	30		45	2	230	1,011			\$0 70	\$0 70	40,000	\$1 10
Elmwood Coal Co. ....	Elmwood ..			10		130	150	1			70	3,000	1 15
Johnson & Co. ....	Brimfield ..			4	1	210				70	70	800	1 15
James Tully .....	" ..	12		5		230				75	75	1,320	1 15
Wm. Hindle .....	" ..			2		110					75	260	1 15
G. W. Smith .....	" ..			1		130					75	475	1 15
John Duffy .....	" ..			3		145					75	712	1 15
J. Longden .....	" ..			3		90					75	286	1 15
J. McKinley .....	" ..	3		6	1	210				75	75	1,430	1 15
Chas. Berry .....	Monica ..	12		5	1	240				75	75	1,800	1 15
J. Wilford .....	" ..			1		90					75	125	1 15
Hanna City Coal Co. ....	Hanna ..	30		45	2	195	1,068			75	75	30,100	1 15
R. P. Downing .....	Smithfield ..	12		4	1	210	25			75	75	570	1 15
S. Linchcott .....	Kickapoo ..			12		90					75	210	1 15
Edwin Filley .....	" ..			3		100	5				75	180	1 15
Jubilee Coal Co. ....	Jubilee ..					120	15				75	580	1 15
Totals (83 mines) ..		540	1,042	176	42	3,837	2	6				533,817	
Averages .....						167.3				\$0 72.3	\$0 76		\$1 09.4

\* 12,300 tons mined by machines.

## Tazewell County—Third District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Keys of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Pekin Coal & M. Co. ....	Pekin .....	12	20	4	2	230	325	1		\$0 70	\$0 80	8,000	\$1 10
Pekin Coal Ass'n .....	" ..	3	6	1		240	143			70	80	4,125	1 15
L. Grant & Sons .....	" ..	15	25	4		200	600			75	87½	12,100	1 15
Wm. Rundle .....	" ..	6	10	2		206	335			75	87½	5,348	1 15
August Morritz .....	" ..	2	6	1		212	90			75	87½	2,800	1 15
W. City Co-op. C. Co. ....	W. City ..	32	50	6	4	250	710			67½	75	17,500	1 15
Rushia Bros. .....	Hilton ..	2	10	1	2	170	173			75	75	3,451	1 15
Henry Doring .....	" ..		3	1		150	86			75	75	750	1 15
John Chamberlain ..	" ..		4	1		140	60				75	1,000	1 15
Jacob Schmitt .....	" ..		4	8		230	175			75	75	2,400	1 15
Adam Sholl .....	" ..	8		3		100	45			75		1,850	1 15
Totals (11 mines) ..		84	142	25	8	2,592	1					59,324	
Averages .....						196.2				\$0 71.4	\$0 80.4		\$1 14.7



## Vermilion County—Third District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All others employed.	Boys employed underground.	Days worked during year.	Keels of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Consol. C. Co., St. L.	Danville	100	175	30	10	240	1,200	1		\$0 60	\$0 60	91,957	\$1 05
No. 2	"	120	170	80	6	240	1,300	2		60	60	92,883	1 05
No. 3	"	80	100	20	5	130	500			60	60	29,413	1 05
No. 4	"	4	6	1	1	210	120			60	60	8,500	1 05
Stanburg & Russell.	"	6	8	2	1	209	70			60	60	5,015	1 25
John E. Lloyd.	"	2	5	1		180	88			60	60	2,640	1 12½
Albert Hall.	"		2	1		180	40				60	1,100	1 12½
John E. Davis.	"	1	2			90	6				60	500	1 12½
Wm. Hoge.	"	1	4	1	1	200	35			60	60	1,500	1 12½
Noah Morgan.	"	2	4			210	40			60	60	1,650	1 12½
W. H. Jenkins.	"	1	3			180	25			60	60	940	1 12½
A. G. Jenkins.	"	2	5	1	1	220	45			60	60	1,600	1 12½
B. Bensel.	"	3	8	1	1	210	115			60	60	2,500	1 25
Elmer Ellison.	"		2			112	30				60	470	1 25
Lloyd & Rodda.	"	2	9	1		175	88			60	60	5,000	1 12½
P. Fairchild.	"		2			90	11				60	380	1 12½
John Morbaker.	"	4	7	1	1	215	42			60	60	4,820	1 12½
Wm. Ray.	"		2			60	9				60	275	1 12½
D. H. Murray.	"		2			54	8				60	260	1 12½
Wm. Child.	"												
Grape Ck C. & C. Co.	Grape Cr'k	80	120	18	6	215	1,064			65	65	25,762	1 12½
No. 3	"	6	8	1		118	94	1		65	65	5,302	1 12½
No. 4	"	125	160	25	8	250	1,636			65	65	66,586	1 12½
No. 5	"	115	145	21	4	221	2,126	3	4	65	65	78,600	1 10
Michael Kelly.	"	4	12	1		180	38			75	75	2,664	1 25
E. Ck Co-op. M. Co.	"	20	36	4	2	210	750			65	65	22,000	1 12½
F. L. Spellman.	"	5	8	3		280	100			65	65	4,000	1 25
Charles Moran.	"	2	5	1	1	217	34			65	65	2,428	1 00
Buntling Bros.	"		4	1	1	120	26				65	1,900	1 00
Calvin Cobb.	"	2	4	1		200	47			65	65	3,800	1 00
E. Parrish.	"	2	2			121	9			75	75	541	1 15
Raine & Lucas.	"	2	4	1		280	86			50	50	1,740	1 00
Crutchley & Co.	Catlin	1	3	1		168	15			55	55	800	1 00
Thomas Thomas.	"	6	7	2		35	10	1		70		343	1 25
E. B. Catlett.	Fairmount	5	7	1	1	200	63			70	70	2,400	1 15
George Emmett.	"	6	8	1		175	95			70	70	2,800	1 25
Thompson & Billman.	"	4	5	1	1	150	30			70	70	700	1 25
France & Drake.	"	3	6	1		150	40			70	70	1,800	1 12½
Woodard & Son.	"	1	3			88	17			70	70	595	1 25
P. Breezley.	G'org't'wn	2	4	1	1	160	20			70	70	1,950	1 12½
J. Woodard.	Oakwood	1	3	1		180	14			70	70	1,100	1 12½
Wm. Woodard.	"	2	2			190	12			70	70	730	1 12½
Johns & Castleton.	"	2	2			150	6			70	70	580	1 12½
Wm. Thomas.	"	12	18	4		180	306			60	60	5,273	1 25
C. M. Swallow.	Glenburn	4	7	1		130	80			60	60	2,000	1 25
K. Phillips.	Blount.	3	6	1	1	190	50			60	60	1,850	1 25
S. Swisher.	Pilot											5,584	1 00
John Riley.	Grape Cr'k											1,800	1 00
John Kelly.	Danville											3,500	1 00
A. S. Williams.	"											1,400	1 00
J. Galvin.	"											4,120	1 12½
J. McBroom.	Oakwood											600	1 00
Isaac Wolfe.	Catlin											450	1 00
J. C. Stafford.	"											210	1 00
David Lewis.	"											175	1 00
John Brady.	Vand'cook											270	1 12½
J. McBride.	"												
Totals (55 mines).		722	1,099	182	53	10,485	5	8				499,076	
Averages						171.4				\$0 62.5	\$0 62.5		\$1 09

\* 3,335 tons mined by machines.



## Woodford County—Third District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.....	Boys employed underground...	Days worked during year.	Kegs of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.....	Average value per ton at the mine.....
								Killed...	Injured...	Summer..	Winter...		
C. & M. C. & C. Co.	Minonk ..	150	200	60	12	265	16	1	4	\$0 85	\$0 85	127,000	\$1 40
Roanoke C. & M. Co.	Roanoke ..	50	80	20	7	210	5	...	1	85	85	31,500	1 15
Totals (2 mines) ..	.....	200	280	80	19	.....	21	1	5	.....	.....	158,500	...
Averages .....	.....	.....	.....	.....	.....	237.5	.....	.....	.....	\$0 85	\$0 85	.....	\$1 40

## Recapitulation by Counties—Third District—1888.

COUNTIES.	MINES.				MINERS.							PRICES AND PRODUCTS.			
	Number of mines.	Striping mines.	Mines in local trade.	New mines.	Abandoned mines.	No. of miners and other employes.			Average number of days worked.	Number of kegs of powder used.	Casualties.	Average price for hand mining.	Total tons of coal mined.	Average value per ton at the mine.	
						Miners, summer.	Miners, winter.	Other employed.							
Cass .....	4	1	3	...	...	11	26	7	1 196.2	80	...	\$0 92.3	\$1 10.3	7,300	\$1 80
Fulton .....	67	21	46	7	13	559	929	155	87 173.8	13,966	1 10	69.2	74.6	* 461,569	1 14
Logan .....	3	3	...	...	...	160	260	69	11 253	8,062	1 4	60.4	63.3	174,320	1 12
McLean ...	2	2	...	1	1	237	300	66	270	86	5	70	80	117,110	1 15
Menard ....	10	6	4	...	...	178	342	70	8 900	6,890	1	61.3	62.7	+ 181,075	1 16
Peoria .....	83	29	54	8	12	540	1,042	176	42 167.3	23,637	2 6	72.3	76	+ 533,817	1 14
Tazewell ...	11	4	7	2	1	84	142	25	8 196.2	2,592	1	71.4	80.4	59,324	1 14
Vermillion .	55	13	42	8	7	722	1,099	182	58 171.4	10,436	5 8	62.6	62.5	§ 419,076	1 13
Woodford ..	2	2	...	...	...	200	280	90	19 237.5	21	1 5	85	85	158,500	1 14
Totals .....	237	81	156	26	34	2,691	4,420	830	179	66,019	10 40	.....	.....	2,193,121	.....
Averages ..	.....	.....	.....	.....	.....	.....	.....	.....	206%	.....	.....	\$0 66.4	\$0 71.6	.....	\$1 12

Whole number of openings, including strippings, reported in 1887 .. 245

Number of new mines or places opened during the year .....

Number of mines exhausted or abandoned during the year .....

Whole number of openings, including strippings, reported for 1888 .. 237

\* 6,727 tons mined by machines.

† 8,700 tons mined by machines.

‡ 12,300 tons mined by machines.

§ 3,335 tons mined by machines.

## FOURTH DISTRICT.

MR. JOHN S. LORD,

*Secretary of the Bureau of Labor Statistics, Springfield, Ill.*

SIR: In accordance with section twelve of the mining law of the State, defining the duties of the inspectors of mines, I herewith submit my annual report for the year ending July 1, 1888.

The following report gives the usual tabulated statements, showing the number of collieries, shipping and local; the number of new mines and of abandoned mines; the number of miners and other employés, and boys employed during the summer and winter months; the number of days worked at each mine, with an average for each county, and for the whole district; the price of mining and the value of coal at the mines, with the average prices and values for each county and for the district; the total tonnage for each county and for the district; also the number of mining machines, and the number of employés operating them, with the tonnage of the machines in each county and for the district; the quantity of blasting powder used and a total valuation of the coal at the mine for each county and for the entire district. A record is also made of all fatal and non-fatal accidents, with particulars relating to the same.

The following summaries are presented for the district for the year:

Total number of mines.....	108
Shipping mines.....	57
Local mines.....	51
New mines.....	8
Abandoned mines.....	10
Number of employés—miners.....	4,027
Number of other employés in and about the mines.....	1,059
Number of boys employed in and about the mines.....	129
Total number of employés.....	5,215
Average number of working days for the district.....	216
Total number of kegs of powder used in the district....	54,310
Average price for mining for the district in summer....	\$0 57.9

Average price for mining for the district in winter.....	\$0.61
Number of tons of coal produced.....	2,854.54
Average value of coal at the mine for the district.....	\$0.94
Aggregate value of total product.....	\$2,703.35
Number of coal mining machines(Harrison).....	11
Number of coal mining machines(Legg).....	1

Total number of machines.....	12
Output in tons by machines.....	1,112.00
Number of employes operating the machines.....	129

## CASUALTIES.

Fatal.....	
Non-fatal.....	

Total number of accidents.....	
Number of employes to each fatal accident.....	
Number of employes to each non-fatal accident.....	
Number of tons of coal produced for each fatal accident.....	356.81
Number of tons of coal produced for each non-fatal accident.....	158.56

*Fatal Casualties in the Fourth District.*

Date.	Name.	Age	Residence.	Married	Single	Children	Cause of Accident.
1887.							
Oct. 7	Webb, John.....	19	Staunton.....	1	1	1	Falling rock in room.....
" 11	Cappello, Frederick.....	17	Troy.....	1	1	1	Falling rock in room.....
" 13	Deeds, Oliver.....	35	Shelbyville.....	1	4	4	Falling rock in room.....
" 22	Jones, Thomas, B.....	32	Springfield.....	1	2	2	Falling down shaft.....
Dec. 12	McMachl, John.....	36	Mt. Olive.....	1	3	3	Falling down shaft.....
1888.							
Jan. 9	Rasor, Wm. W.....	33	Staunton.....	1	1	1	Machinery of elevator.....
" 11	Schmidt, Paul.....	20	Mt. Olive.....	1	1	1	Falling rock in room.....
" 19	Morgan, David.....	33	Mt. Olive.....	1	5	5	Falling coal in mine.....
	Totals.....			5	3	15	

## RECAPITULATION.

Residence.	No.	Casualties.
Mt. Olive.....	3	Falling coal in mine.....
Shelbyville.....	1	Falling rock in room.....
Springfield.....	1	Falling down shaft.....
Staunton.....	2	Machinery of elevator.....
Troy.....	1	
	8	

*Non-Fatal Casualties in the Fourth District.*

Date.	Name.	Age	Residence.	Married	Single	Children	Character of Injury and Cause of Accident.	Time lost.
1887.								
Sept. 30	Williams, J. W.	17	Staunton	1			Two fingers cut off and bruised by pit cars	
" 30	Bixman, Lewis	27	Staunton				Head and back injured by falling rock	
Oct. 12	Hushman, Fred		Mt. Olive				Ankle fractured by sliding coal in room	
" 12	Vansil, James	35	Chatham				Internal injuries by falling coal	6 weeks
" 13	Powers, John		Decatur				Injured by explosion of fire damp	2 months
" 13	Powers, Stephen		Decatur				Injured by explosion of fire damp	6 weeks
Nov. 14	Emmons, Daniel	18	Clyde	1			Leg broken by railway cars	a
" 22	Parsons, Thomas	56	Riverton	1			Hand mangled by cage ascending	
Dec. 5	West, John	30	Edwardsville				Body bruised by falling coal in room	2 months
1888.								
Jan. 6	Casterluba, Joseph	23	Clyde				Breast and back injured by cage bottom of shaft	
" 30	Hamilton, Clarence	19	Riverton	1			Hand injured by railway cars	a
Feb. 15	Leeds, John		Collinsville				Head injured by falling rock in room	
" 22	Bartels, F.		Mt. Olive				Arms and back injured by cage	
Mar. 9	Hurstman, Henry		Edwardsville				Back and hips injured by falling coal	6 weeks
May 2	Brennan, Anthony	50	Iles' Junct'n				Foot injured by falling coal in mine	6 weeks
" 31	Waller, Herman		Mt. Olive				Arm cut off by railway cars	
June 22	Elsencups, Phillip	38	Riverton	1			Injured internally by falling rock	b
" 26	Starne, William	23	Riverton	1			Toe cut off by railway cars	b

a Amputated.

b Not yet able to work.

## RECAPITULATION.

Residence.	No.	Casualties.	No.	Per cent.
Chatham	1	Cages	3	16.66
Clyde	2	Explosion of fire damp	2	11.12
Collinsville	1	Falling coal in mine	5	27.78
Decatur	2	Falling rock in mine	3	16.66
Edwardsville	2	Pit cars	1	5.55
Iles' Junction	1	Railway cars	4	22.22
Mt. Olive	3			
Riverton	4			
Staunton	2			
	18		18	100.00

Of the eight fatal accidents six of them occurred in the mines of the Consolidated Coal Company of St. Louis, during the months when mining was extensively conducted, and the output the largest. Such a fatality in so short a space of time induced the General Manager, Mr. J. C. Simpson to adopt a set of rules and regulations for the better discipline of the employes in and around the mines, and with a view to reducing the accidents as far as possible. The mine inspectors of the Fourth and Fifth Districts were invited to a conference at the general office in St. Louis, to assist in drafting these rules, so that they should in no way

conflict with the mining laws of this State. After consultation Mr. Simpson had the following rules printed and posted at all the company's mines:

**RULES AND REGULATIONS FOR THE GOVERNMENT OF EMPLOYEES IN AND ABOUT THE MINES OF THE CONSOLIDATED COAL COMPANY OF ST. LOUIS.**

**ALL EMPLOYEES.**

"All boys must produce an affidavit from their parents or guardians, sworn and subscribed to before a notary public or justice of the peace, that they are fourteen years of age, before they shall be permitted to enter any mine to work therein.

"Employés are instructed to use all possible precaution in the exercise of their duties, to promptly report to the timberman or mine manager any unsafe places which they may see, whether in their own rooms or in any of the entries of the mine.

"No person shall ride upon a loaded cage, nor one containing an empty car, tools, timber or material. In no case shall more than...persons ride on any cage at any one time, nor shall any coal be hoisted while persons are descending into the mine.

"No employé shall enter any mine in the morning until he has had a report from the proper timberman, that the mine is safe. Should the working place of any workman become unsafe, it shall be his duty to discontinue working in it, and to notify the mine manager.

"All persons are hereby forbidden to enter any of the old workings, without the consent of the mine manager or his assistant.

"Any person found guilty of carelessly or wickedly injuring animals or other property, shall be held liable for the full amount of damage done to the same.

"All persons must familiarize themselves with these rules and regulations, and any person violating them will be dealt with as the division superintendent or mine manager may direct.

**MINE MANAGER.**

"It shall be the duty of the mine manager to carry out and enforce the observance of the mining laws of Illinois, these rules and regulations, and all necessary precautions for the safety of employés.

"He shall engage the services of all employés, instruct them as to their duties, and appoint none to positions requiring skill or involving responsibility, except such as are found, after due investigation, to be competent and reliable.

"He shall keep constantly on hand a sufficient supply of timber, and so situate it as to be convenient to supply the demands of the workmen.

"He shall examine a portion of the workings daily, and inspect, specially, any part of the mine, shaft or machinery reported unsafe or requiring his attention. It shall also be his duty to measure the air currents, once a week, at the foot of the downcast, upcast, and near the face of the working places, and at all splits, giving totals in cubic feet per minute, and report the same, monthly, to the division superintendent."

#### ENGINEER.

"It shall be the duty of the engineer to examine daily, and watch carefully, the machinery, pumps, boilers, ventilating fans, ropes, head-sheaves, safety catches, etc., and report any defect to the mine manager or outside foreman.

"He shall see that the steam pressure does not exceed the limit designated by the boiler inspector, and shall order or keep the fan running at such speed as the mine manager may direct.

"He shall work his engine slowly when persons are ascending or descending the shaft, and shall not engage in conversation when in the act of lowering or hoisting men or coal. He shall not leave the hoisting engine at any time, without first placing the reversing lever on the center, and applying the brake

"It shall also be his duty to prohibit loafing in the engine or boiler houses.

"The fireman shall act under the instructions of the engineer.

#### TOP-MAN.

"It shall be the daily duty of the top-man to carefully examine the cages, and their connections with the hoisting ropes, the cage-rests, safety-gates, and cage-guides above ground, and promptly report any defect to the mine manager.

"The lowering of workmen into, and hoisting them out of the mine, morning and evening, shall be conducted above ground, under his supervision, and, for that purpose, he will attend, thirty minutes before the hoisting of coal begins, and an equal time after it ends.

"He shall not permit more than . . . men to descend at one time, nor tools, timber nor material to be taken upon the cage with them.

#### BOTTOM-MAN.

■ "The lowering and hoisting of workmen shall be conducted, below ground, under his supervision, and, for that purpose, he will attend, thirty minutes before the hoisting of coal begins, and remain after it ends, until all of his shift have ascended. It shall be the duty of the bottom-man to conduct all signalling, to allow no one to go upon the cage until he has received the return signal

from the engineer, to restrict the number ascending upon each cage to not more than...men, and to see that neither tools, timber nor material are taken upon the cage with men.

"It is also his duty to see that pit-cars are so loaded that coal will not fall off during the hoisting, or landing on the cage-rests; that the pit-cars are properly secured before the signal to hoist is given, and that workmen shall not cross from one side of the shaft to the other through the hoist ways.

#### DRIVER BOSS.

"It shall be the duty of the driver boss to see that the drivers are at the stables, and ready to begin work at the appointed time. He shall not allow the mules to be brought out of the stables until all employes have passed away from the shaft towards their various working places. He shall prohibit trapper boys leaving their doors during working hours, or running in front of loaded or empty runs. He shall see that the mules are properly attended to, regularly fed and watered, and not over-driven, whipped or abused.

#### BLASTERS OR SHOOTERS.

"Are required to use copper needles in preparing blasts, and not less than five inches of copper on the ends of all tamping bars used for tamping blasts. The use of iron needles and iron tamping bars not tipped with five inches of copper is hereby forbidden. It shall be the duty of the blaster or shooter to take proper care of his powder from the time he receives it until used. He shall store the same at a central point, in a box provided with a pad-lock, and placed at a safe distance from the hauling or travelling road. At every shot, he shall guard the approaches thereto, so that no one may come upon it unawares, and before firing a shot in a cross-cut, between rooms or entries, shall give timely notice, so that any person in the room or entry toward which the cross-cut is being driven, may seek a place of safety.

Blasters or shooters are cautioned against returning to a blast without examining the roof, or returning with undue haste to one which is supposed to have missed fire. A hole which has missed fire must not be drilled out, but a new one must be drilled at a safe distance therefrom.

"Powder must be handled and cartridges prepared with great care, and smoking must not be indulged in while the same is being done. The lamp must be removed to such a distance that the powder cannot be ignited by a spark therefrom."

#### ENGINEER, TOP-MAN AND BOTTOM-MAN.

"The following code of signals between the top-man, bottom-man and engineer are prescribed for use at all mines:

## FROM THE BOTTOM TO THE TOP.

"One bell shall signify to hoist coal or empty cage, and also to stop either when in motion. Two bells shall signify to lower cage. Three bells shall signify that men are coming up. When return signal is received from the engineer, men will get on the cage, and ring one bell to start. Four bells shall signify to hoist slowly, implying danger.

## FROM THE TOP TO THE BOTTOM.

"One bell shall signify, all ready, get on the cage. Two bells shall signify to send away empty cage.

## TIMBERMAN.

"Shall carefully inspect all rooms and entries in the portion of the mine under his charge, and ascertain that there are no dangerous accumulations of gas, lack of proper ventilation, obstructions to roadways, unsafe roof, nor other dangerous conditions, and report the result to the workmen before allowing them to enter the portion of the mine affected thereby. It shall also be his duty to take down any loose slate or coal that may be found, and to promptly secure any dangerous places which may be reported to him. It shall also be his duty to make a daily record of the condition of the mine, in a book kept for that purpose.

## MACHINE RUNNER.

"Will carefully examine any place he may have to cut, before commencing work, and ascertain that the roof is secure and that no loose coal is hanging. He will repeat his examination as his work progresses, and in the event of danger arising, will immediately discontinue work, and report the facts to the timberman or mine manager. The machine helper will act under the direction of the machine runner.

## DRILLER.

"Will exercise the same precautions as the machine runner. The driller's helper will act under the instructions of the driller.

## LOADERS.

"Will examine the roof, and face of coal, before commencing work, in each room or entry, and during the progress of their work. In the event of the same being unsafe, or becoming unsafe, they will at once cease work, and notify the timberman or mine manager; in cleaning up a room, they must remove all loose coal before leaving it.

"It is the duty of the loader to clean the coal thoroughly, and trim the pit-cars so that the coal will not fall off in transit through the mine or in the shaft.



## HAND-MINERS.

"It shall be the duty of every miner employed in the mine to examine the roof or other overhanging slate, rock, or top coal in his working place, as soon as he shall enter the same in the morning. If found unsafe, he shall immediately take down or prop up the loose material, and see that it is in safe condition to work under before commencing work.

"It shall be the duty of the miner to see that the roadway in his working place is kept clear, for the mule to pass in to haul out the coal, and that the props are so set that there will be room for any person to stand between the cars and the props; he is required to use copper needles in preparing blasts, and not less than five inches of copper on the end of all tamping bars used for tamping purposes in blasting. The use of iron needles and iron tamping bars not tipped with five inches of copper is hereby forbidden.

"He shall see that all fire is extinguished, after blasts, and shall not leave his working place in an unsafe condition when his day's work is done. Should a sufficient supply of timber not be at hand at any time, to enable him to secure his place, he is hereby instructed to immediately discontinue working in it until the same has been furnished, and notify the mine manager.

"If the mine manager or his assistants shall order bad roof to be secured with props or taken down, it shall be the duty of the miner to attend to the same, without unnecessary delay.

"When driving an entrance between two rooms or entries, it shall be the duty of the miner to give timely notice to any persons in the place toward which he is driving, so that they may find a place of safety; he shall also guard the passages on either side of his place, at every shot, when about to fire, so that no person may come unawares upon it.

"When a shot has been fired, he shall wait until the powder smoke has cleared sufficiently to allow him to carefully examine the roof and coal, and ascertain that the same is safe before resuming work; he shall be careful not to return too soon to a shot which is supposed to have missed fire. A hole which has missed fire must not be drilled out, but a new one must be drilled at a safe distance therefrom.

"It shall be the duty of the miner to take proper care of his powder, from the time it leaves the powder house until it reaches his working place in the mine, at which place he shall keep it in a box placed well back from the hauling or travelling roads, and place a cover over it when not present, and see that at all times proper care is taken of it. When any miner shall find any place in an unsafe condition—either the hauling roads, doors, overcasts, cages, safety-catches—or any fire in the mine, he shall report the same at once to the mine manager or his assistants."

These rules and regulations have been posted at each colliery—one copy at the office, one copy at the lower landing, and one copy

at the upper landing, with the Signal Code in larger print posted at the bottom of the shaft, top of shaft, and one copy in the engine house.

The following rules have been posted in the engine and boiler rooms:

### RULES.

"For the Government of Engineers and Firemen in charge of Steam Boilers owned and operated by the Consolidated Coal Company of St. Louis.

"1. When commencing a shift or starting the fires in the furnaces, ascertain, personally, the level of water in boiler, and if found sufficiently high, proceed with the raising of steam. If, at any time, water is not found at the lower gauge, draw the fire at once, and allow the boiler to cool off before filling with cold water; do not lift the safety valves, or suddenly open any of the steam outlets, under these circumstances.

"2. Keep the water in the boiler at a uniform height, and ascertain this frequently by trying the gauges and examining the water glass. Feed steadily and regularly, if possible, with hot or warm water. If the water foams the engineer should close the throttle valve, for a short time, until it ceases.

"3. Fire regularly and lightly. Keep the fire well back from the doors, in order to prevent burning of liners. Clean the fires when necessary, and immediately cool the hot ashes and cinders so as to prevent burning and warping of fronts. Keep the fire doors closed as much as possible, and check the fire with the damper or bottom doors when necessary.

"4. The boiler, inside and outside, with its flues, tubes, fronts, breeching, stack, connections, etc., are to be kept clean; when the water contains sediment or forms scale, the boiler must be blown off, and these removed as often as is necessary; soot must be removed from the boiler shell, and from the flues, tubes, breeching, etc., and the furnaces kept free from all accumulation of ashes, etc.; fronts are to be wiped with oily cotton waste, and kept clean; gauge cocks, water glasses, pressure gauge, etc., are to be kept bright.

"5. Gauge cocks and water glasses must be kept clear and not allowed to stop up under any circumstances; raise the safety valve, cautiously and frequently, in order to ascertain that they are working freely, and have not become fast in their seats. It is the duty of the boiler inspector to adjust the weights on the safety valve, and the engineer or fireman must not change the same or add to it; when the steam is blowing off, comparison should be made with the steam gauge, and if a difference exists, the fact must be immediately reported to the division superintendent or mine manager.

"6. Leaks, at any time, of the joints, must not be permitted to continue for a longer time than is necessary to arrange for their repair; all leaks and blisters must be reported at once to the division superintendent or mine manager, whose duty it is to arrange for their immediate repair.

"7. This company has arranged for the semi-annual inspection, by competent boiler inspectors, of all steam boilers owned and operated by it, and if such inspection is overdue or not thoroughly made, the engineer is hereby instructed to so report to the mine manager or division superintendent.

"8. Every boiler should be blown off and opened at regular weekly, semi-monthly or monthly intervals, as the conditions may require, and the inside carefully examined.

"9. Boiler rooms must be kept neat and clean, and no person allowed therein except such as are called there in the discharge of duty."

### MINING MACHINES.

There are eleven collieries in the district operated by coal cutting machinery, eight of them owned by the Consolidated Coal Company of St. Louis: Abbey Mine No. 3, Heintz Bluff Mine, and Troy Mine are situated on the line of the Terre Haute and St. Louis Railroad; No. 6, No. 7 and No. 8 collieries on the line of the Wabash Railway; the Gillespie and St. Barnards Shafts on the line of the Indianapolis and St. Louis Railroad. Pana Colliery No. 1 owned by the Pana Coal Company, located at the intersection of the Indianapolis and St. Louis, the Illinois Central and the Ohio and Mississippi Railroads; coal is shipped direct from this mine on all three roads. The Wilmington and Springfield colliery is located on the Chicago and Alton Railroad, near Springfield. The Illinois Fuel Company is located on the Springfield Branch of the Illinois Central Railroad, about two miles north of Riverton.

The coal seams Nos. 5, 6 and 7 in the Fourth District are very well situated for the use of mining machines, having a good roof, and fire clay. Mining machines have been introduced into four of the largest mines, during the year—Nos. 6 and 8, owned by the Consolidated Coal Company: the Wilmington and Springfield Coal Company, and the Illinois Fuel Company. As mining progresses and new shafts are opened, more machines will be introduced, as the coal can be mined much cheaper by the machines, and brought out in better condition for the market; more lump coal is produced and the coal is in better condition to withstand transportation and storage, as less powder is used to bring down the coal with machine-mining than by hand-mining. In machine-mining, the working places are generally in a better condition as regards safety and ventilation, as compressed air is carried up to the face of the working places as a motive power for the machines, and exhausting into the air, keeps these places in a healthy condition; blasting is mostly done at night, or after the machine men have done their work in undermining the coal; and where the various branches of labor in machine-mining are properly systematized, it is never necessary to have men working in powder smoke. In each branch of labor in machine-mining, each man becomes skilled in the department to which he is assigned; consequently, timbering, track-

laying and blasting are done in a safer and more systematic manner; less timber is used, and the hauling-roads, rooms and entries kept in a safer condition, as each timberman is responsible for the safety of his district. The older miners do not take kindly to the machines, and they cannot, perhaps, be blamed for it, as it takes young and strong men to run the machines and load the coal. The only places for the older miners, in a machine gang, is timbering and blasting, and as it requires only one timberman and one blaster for each machine, out of a gang of eleven or twelve men, there is not much room for the old miner. Large numbers of old miners have gone to other districts where machines are not used, and as it does not require so many men to produce the same quantity of coal, with the machines, as where mining is done by hand, fewer men will be required.

The system of paying men by the day, where coal cutting machines are used, is universally adopted in this district, and seems to give general satisfaction to both operators and men; no trouble of any kind has occurred since the machines were introduced and the daily-wages established.

The general tendency in the district will be, that as new mines are opened, machine-mining will be adopted; a number of our older mines are driven a long way from the bottom of the shaft, and the outside works are not well arranged for the location of machine-mining, or machines would probably have been put in before this. As time progresses, the system of mining in the larger seams of coal in this district will be entirely changed from hand to machine mining.

The late amendments to the Mining law are generally concurred in by the operators. Boys are required to furnish affidavits to the mine manager, the code of signals as set forth in the law have generally been adopted, with top-man and bottom-man to see the men on and off the cage, with suitable lights at top and bottom of the shaft, where required.

### IMPROVEMENTS.

Various improvements have been made in and around the mines, during the year; the Consolidated Coal Company of St. Louis have made some extensive improvements, and have others in contemplation. At the Mount Olive mines, a "Guibal" fan, thirty feet in diameter and nine feet wide, has been erected, to be used for the ventilation of three shafts—Nos. 8, 9 and 10; "Cherry's" automatic dump cage, and "Ramsey's" coal distributor have been put in at No. 10; a "Roots" blower has been erected at No. 8 for the purpose of blowing away the dead slack after it passes through the screens in the elevator. A number of improvements have been made in the underground works at Nos. 8, 9 and 10; very substantial overcasts of rock masonry have been put in No. 8; all advantages have been taken, in splitting the air, to reduce the friction to a minimum, and carry the air well up to the working places in all these

mines; a large reservoir has been made, during the year, at No. 1 so that there will be no scarcity of water in the future. This company has put in electric signals at all of its larger mines, from bottom of the shaft to the top, with return signal from top to the bottom; also, a signal from the top of the shaft into the engine house. A fan, twenty feet in diameter, of the "Guibal" pattern has been erected at No. 6 shaft, Staunton. The work on the two fans—the one at Staunton and the one at Mount Olive—has been done in a very substantial manner; water gauges have been put in on the fan drift, and proper places selected in the mine for measuring the air currents.

New hoisting engines have been put in at No. 7, Staunton; they are the coupled engines 18x32, Litchfield make, with new drum and top sheaves; the sheaves are of the Litchfield pattern, wrought iron spokes and steel shaft. New hoisting engines (same size and make as at Staunton) have also been put in at this company's mine at Carlinsville; new boilers have also been put in, and a new brick engine and boiler-house has been built; the engines are located at the end of the shaft, as coal is dumped on both sides of the shaft. A large fan is to be erected. This company is also putting in a "Guibal" fan, 20 feet in diameter, at the Gillespie shaft, and making a large reservoir for water storage.

A new haulage plant has been erected in the underground works of the Riverton Coal Co., Sangamon county. It is on the tail-rop principle, pulling the coal a distance of 1800 feet, and hauling twenty cars at each trip, and is working very successfully.

The new escapement shaft at Chatham has been completed during the year.

A new and improved elevator and screening-plant has been put in at the Girard Coal Co.'s shaft.

#### NEW MINES.

A new shaft has been sunk by the Consolidated Coal and Coke Company of Mount Olive. The shaft is located on the St. Louis and Chicago Railway, one mile north-east of the village of Mount Olive, Macoupin county. The shaft is sunk down to a depth of 440 feet; the coal is from 7 to 8 feet thick, and of good quality, with a good roof. Operations to hoist coal were commenced January 1st, 1888, and the mine has been opened out very rapidly. The outside plant is put up in very good shape, consisting of a good brick engine and boiler-house, with substantial head framing, elevator, screens, etc. A Litchfield hoisting plant and boilers have been put in. It is the intention of this company to sink another hoisting shaft, and connect the two, to be used as an escapement shaft.

The new shaft of the Pana Coal Company has been finished during the year, and entries are now being driven to connect the two shafts for escapement. A very substantial plant has been erected, engines coupled 20x40, mine cars holding a gross weight of 5300 lbs. each; the shaft will be known as No. 2 mine.

The coal is about the same thickness as in No. 1 shaft, and of a very good quality. The two mines are about one mile apart. No. 1 is located between the Indianapolis and St. Louis Railroad, and the Ohio and Mississippi, and at the point where these roads cross the Illinois Central; the new shaft No. 2 is located on the Illinois Central, about one mile north of the Union Depot at Pana.

A new shaft has been sunk by the Hillsboro Coal Company, and is located on the Indianapolis and St. Louis Railroad, about one mile east of the depot at Hillsboro. The shaft is 450 feet deep, and is sunk on No. 6 seam, from 7 to 8 feet in thickness, and equal in quality to the Mount Olive coal.

A new shaft has been sunk by the Edinburg Coal Company, and is located on the Ohio and Mississippi Railroad, adjoining the west end of the village of Edinburg. The coal is about 7 feet in thickness. A small shaft was sunk for the purpose of prospecting, and coal having been found, the company is now sinking a larger shaft for hoisting purposes. The smaller opening will be used as an escapement shaft.

A new shaft has been sunk by the Central Coal Company, and is located on the Wabash Railway, in South Springfield, near the intersection of the Chicago and Alton Railroad. The shaft went down on the usual No. 5 coal, at a depth of 250 feet. The coal is of a good quality, with a very good roof, and the plant is, in every respect, good.

The Capital Co-operative Coal Company, of Springfield, has sunk a new shaft, which is located on the Ohio and Mississippi Railroad near the junction of the Springfield branch of the Illinois Central, about one-quarter of a mile south of their old shaft. The coal is No. 5; depth of shaft, 250 feet. The company connected the new shaft with the old one for escapement, and is at present hoisting coal from both shafts.

A new shaft has been sunk by Ellis Briggs, adjoining the Chicago and Alton Railroad, within the corporate limits of the village of Roodhouse. The shaft is down 87 feet, sunk on No. 1 coal. The coal has an average thickness of 2 ft., 4 in.; and two small coupled engines have been put in, with suitable top works.

A new shaft has been opened by Thos. Crowlan, at North Alton, sunk to No. 1 coal, at a depth of 90 feet. Horse power is used to hoist the coal.

#### ABANDONED MINES.

The Mattoon shaft was abandoned, and everything around the mine sold, January 14th, 1888. This shaft was sunk to No. 2 coal, at a depth of 904 feet to the top of the coal. The coal is 3 ft., 6 in. in thickness, was mined on the long-wall plan, and was worked very successfully; but owing to having such a large quantity of water to contend with, and larger seams of coal to compete against, the management could not keep it running any longer. It is said

that over \$100,000 was spent in sinking this shaft. The management of the underground works, at the time of abandonment, was under Samuel Ainsworth, who is at present sinking the Taylorville shaft, and who furnished a plat of the mine when abandoned. The said plat was filed in the circuit clerk's office, at Charleston, Coles county. The company sunk a new shaft down to a depth of about 300 feet, intended to be used as an escapement; this shaft is still standing in good shape, but the engines, boilers, etc., at the old shaft have been sold, and have been removed to a mine near De Quoin, Ill.

The Consolidated Coal Company of St. Louis abandoned the Anchor Mine, near Mount Olive, and the Confidence Mine, near Collinsville, during the year; and Carlinville No. 1 will be used as an escapement shaft.

Two small mines at North Alton have been abandoned during the year—the Baker Bros. (horse power) and John Pearce's slope.

One small mine has been abandoned at Bethalto—Peter Meyer (horse power.)

A small mine operated by Wm. Parker, two miles south-west of Jacksonville, (horse power) has also been given up.

A drift operated by John Stewart, in Scott county, near Winchester, has been worked out and abandoned.

A drift at Fancher, Shelby county, operated by Andy Wade has been worked out and abandoned.

#### NEW SHAFTS BEING SUNK.

The Taylorville Coal Company is sinking a new shaft at Taylorville, located at the intersection of the Wabash Railway and the Ohio and Mississippi Railroad; the shaft is proving a very expensive undertaking, as large bodies of water and quicksand have been encountered; the opening is now down about 200 feet with most of the water puddled back; 12x12 timbers are used for the outside curbing, with an 8-inch puddle wall, and 10-inch timbers inside. It is the intention of the company to make this one of the best shafts in the State. The coal has been proved by the diamond drill, and is about 7 feet thick, at a depth of 450 feet.

A new shaft is being sunk by the Kitchell-Penwall Coal Company, at Pana, Christian county, which is now down about 25 feet, being very substantially curbed with 12x12 timbers. The shaft will strike No. 6 seam, the Pana coal running about 7 feet in thickness. The shaft will be in the neighborhood of 750 feet in depth, and it is the intention of the company to make the plant first class in every respect. The shaft is sunk of very large size for the purpose of hoisting a mine car holding two tons of net lump coal. A pair of large coupled engines will be erected (24x48) from special designs, by H. H. Beach, mechanical engineer. The engines, boilers, cages, head sheaves, balanced dumps, etc., will be manufactured at the Litchfield Car and Machine Works. The engines will be the largest in the State. The sinking is progressing very fast. Ingersoll percussion drills, worked by

compressed air, are used in drilling the holes in the sinking shaft. This shaft is located on the Illinois Central Railroad, about one-quarter of a mile south of the Union Depot at Pana.

The Coffeen Coal Co. is sinking a new shaft at Coffeen, Montgomery county, on the St. Louis, Kansas City and Toledo Railroad; the company expects to get the Hillsboro coal at a depth of 500 feet.

The Assumption Coal Co. is sinking a new shaft at Assumption, Christian county, on the Illinois Central Railroad; the shaft is now down about 250 feet; the company expects to get the Pana coal.

A new shaft has been sunk at Charleston, Coles county. By borings made some years ago, it was said a paying seam of coal would be found at a depth of 450 feet; the shaft was sunk by James P. Cummings to that point, but coal in paying quantity has not been found. The sinking is now stopped, and the sinking plant for sale.

The relations between operators and miners have generally been very pleasant, during the year. A stoppage of about two months' duration occurred at the beginning of the fiscal year, as regards the district price, but was finally settled by the officers of the Miners' Protective Association in Sangamon county.

The output shows a gain of 286,249 tons over the year 1887. The coal trade was very brisk in the district during the winter months, and the selling price very satisfactory to the operators. Since the organization of the Consolidated Coal Company of St. Louis, a paying selling price has been better maintained and kept uniform during both the summer and winter months in the St. Louis market.

Macoupin county shows a gain of 90,036 tons over last year,—setting back, more nearly, to her usual standard, the output being 616,624 tons. Madison county has a slight falling off from last year, and it seems she is not likely to get back to her old time standard, as five of her largest mines, owned by the Consolidated Coal Company, have not been operated during the year, viz: the Collinsville, Lumaghi, Canteen, Worden No. 11, and McDonald shaft at Worden. Macon county shows a large gain—162,622 tons,—mainly in the City Coal Co.'s shaft at Niantic. Sangamon county maintains her usual standard, giving 764,970 tons for the year. The outlook is for a larger output in the three large mining counties of the district—Madison, Macoupin and Sangamon—as new mines have been opened in Sangamon, and improved machinery and facilities for handling the coal, in the other counties, will improve their output. The older mines are being abandoned, and the newer ones worked in a more thorough and systematic manner,—everything being done with a better system of mining, with a view of a larger output, the coal-mining plant being more centralized, so that larger quantities can be hoisted out of one shaft.

Respectfully Submitted,

WALTON RUTLEDGE,

*Mine Inspector 4th District, Alton, Ill.*



*Jersey County—Fourth District—1888.*

Name of firm, company, or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS—VALUES	
		Miners employed.		All other employees	Boys employed underground	Days worked during year	Keys of powder used during year	Casualties.		Price per ton for mining.		Total tons of coal mined	
		Summer	Winter					Killed	Injured	Summer	Winter		
John Benson.....	Brighton..	2	2			215				\$1 00	\$1 00	64	
Thomas O'Day.....	"	2	3			190				1 00	1 00	73	
E. Fitzsimmons.....	"	2	3			235				1 00	1 00	82	
Michael Burns.....	"	4	4			230				1 00	1 00	1,014	
Levi Springer.....	"	4	4			210				1 00	1 00	78	
Totals (5 mines)....		10	16									3,340	
Averages .....						213				\$1 00	\$1 00		

*Macon County—Fourth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS—VALUES	
		Miners employed.		All other employees	Boys employed underground	Days worked during year	Keys of powder used during year	Casualties.		Price per ton for mining.		Total tons of coal mined	
		Summer	Winter					Killed	Injured	Summer	Winter		
Decatur C. Co. No. 1	Decatur...	75	125	60	10	286		2		\$0 70	\$0 70	75,300	
Decatur C. Co. No. 2	"	70	120	55	5	310				70	70	75,571	
City Coal Co	Niantic...	86	194	38	2	209	5,766			62½	62½	129,734	
Totals (3 mines)....		231	439	153	17		5,766	2				280,605	
Averages .....						268				\$0 66.4	\$0 66.4		

*Macoupin County—Fourth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employes.	Boys employed underground.	Days worked during year.	Kegs of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Con. C. C., St. L., Mo.													
No. 5 Colliery...	Stanton.	86	10	2	g	52	126			\$0 56½		16,228	\$0 82
" 6 " "	"	168	168	24	4	244	2,009	2	1			* 184,928	82
" 7 " "	"	72	72	21	3	242	719	2				* 83,948	82
" 8 " "	Mt. Olive.	152	152	23	3	254	1,324	2	1			* 164,263	82
No. 9 & 10 " "	"	90	140	15	2	g	185	400	1	\$0 50	56½	78,044	82
Anchor " "	"	28	8	1	g	121	139	1				* 16,877	82
Dorsey " "	Gillespie.												
Gillespie " "	"	99	99	14	3	254	1,301					* 102,980	82
St. Bernard " "	Clyde	66	66	13	2	217	595	2				* 69,561	82
Carlville " "	Carlville	39	77	23	3	238	918			50	56½	40,737	82
Wm. Bartells	"	13	30	3		235	265			50	56½	14,653	1 00
Bunker Hill Coal Co.	B'ker Hill.	22	32	6	1	282	322			50	56½	19,430	1 00
D. Noonan	Nilwood	30	50	12	3	238	430			50	56½	34,080	85
Girard Coal Co.	Girard	100	140	30	8	265	3,550			50	56½	127,210	80
J. W. Utt.	Viriden	32	60	10	3	284	512			50	56½	32,040	85
Con. C. and C. Co., e.	Mt. Olive.	20	40	8	1	g	175	204	1	46	56½	19,210	82
Ches't'd C. & M. Co., d	Chesterf'd												
Raynor & Lock	B'ker Hill.	7	12	1		294				75	75	5,201	1 25
Davis Bros	Chesterf'd	3	5	1		260				87½	87½	2,612	1 50
Cogger & Co.	"	3	6	1		240				87½	87½	2,420	1 50
Beilby & Co.	"	2	5	1		280				87½	87½	2,212	1 50
Totals (22 mines)...		912	1,268	214	39	13,704	5	7				1,016,624	
Averages						255				\$0 50.9	\$0 57.2		\$0 83.3

a Output included in No. 10.

c Not operated during the year.

e New shaft.

\* Total output mined by machines.

b Abandoned March, 1888.

d Stopped for want of escapement.

g Not included in average of days.

*Jersey County—Fourth District—1888.*

Name of firm, company, or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.....	Boys employed underground ..	Days worked during year.....	Keys of powder used during year.....	Casualties.	Injured...	Killed....	Price per ton for mining.	Total tons of coal mined.....	Av. value per ton at the mine....
		Summer..	Winter...								Summer..	Winter...	
John Benson.....	Brighton..	2	2	..	..	215	..	..	..	..	\$1 00	\$1 00	615
Thomas O'Day.....	" ..	2	2	..	..	190	..	..	..	..	1 00	1 00	26
E. Fitzsimmons.....	" ..	2	2	..	..	230	..	..	..	..	1 00	1 00	26
Michael Burns.....	" ..	2	4	..	..	230	..	..	..	..	1 00	1 00	1,014
Levi Springer.....	" ..	2	4	..	..	210	..	..	..	..	1 00	1 00	2
Totals (5 mines)...		10	16	..	..	..	..	..	..	..	..	..	3,348
Averages .....				..	..	213	..	..	..	..	\$1 00	\$1 00	\$1 1

*Macon County—Fourth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.		
		Miners employed.		All other employees.....	Boys employed underground ...	Days worked during year.....	Kegs of powder used during year.....	Casualties.	Injured.....	Killed.....	Price per ton for mining.		Total tons of coal mined.....	Av. value per ton at the mine.....
		Summer...	Winter ...								Summer...	Winter ...		
Decatur C. Co. No. 1	Decatur...	75	125	60	10	286	.....	2	\$0 70	\$0 70	72	500	\$1 25	
Decatur C. Co. No. 2	" ..	70	120	55	5	310	.....	..	70	70	72	571	1 25	
City Coal Co .....	Niantic ..	86	194	88	2	209	5,766	.....	62½	62½	128	734	1 25	
Totals (3 mines)...	.....	231	439	153	17	.....	5,766	2	.....	.....	.....	230,905	.....	
Averages .....	.....	.....	.....	.....	.....	268	.....	.....	\$0 66.4	\$0 66.4	.....	.....	\$1 25	

## Macoupin County—Fourth District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employes.	Boys employed underground.	Days worked during year.	Kege of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Con. C. C., St. L., Mo													
No. 5 Colliery...	Stanton.	86	10	2	g 52	126	2,009	2	1	\$0 56½		16,228	\$0 82
" 6 " "	"	168	24	4	244	2,009	2	1				* 184,928	82
" 7 " "	"	72	21	3	242	719	2	1				* 33,948	82
" 8 " "	Mt. Olive.	152	23	3	254	1,824	2	1				* 164,263	82
No. 9 & 10 " "	"	90	140	15	2 g 185	400				\$0 50	56½	78,044	82
Anchor " "	"	28	8	1	g 121	189	1					* 16,877	82
Dorsey " "	Gillespie.												
Gillespie " "	"	99	14	3	204	1,201						* 102,980	82
St. Bernard " "	Clyde.	66	13	2	217	595						* 69,561	82
Carlville " "	Carlville	33	23	8	238	918				50	56½	40,787	82
Wm. Bartells.	"	18	3		285	265				50	56½	14,658	1 00
Bunker Hill Coal Co	B'ker Hill.	22	6	1	282	822				50	56½	19,420	1 00
D. Noonan	Nilwood.	30	12	3	238	420				50	56½	34,080	86
Girard Coal Co.	Girard	100	140	20	8 265	8,550				50	56½	127,210	80
J. W. Utt.	Viriden.	32	10	3	284	512				50	56½	32,040	86
Con. C. and C. Co., e	Mt. Olive.	20	40	8	1 g 175	204		1	46	56½		19,210	82
Ches'f'd. C. & M. Co., d	Chesterf'd												
Raynor & Lock.	B'ker Hill.	7	12	1	294					75	75	5,201	1 25
Davis Bros.	Chesterf'd	3	5	1	260					87½	87½	2,612	1 50
Cogger & Co.	"	3	6	1	240					87½	87½	2,420	1 50
Bellby & Co.	"	2	5	1	240					87½	87½	2,212	1 50
Totals (22 mines)...		912	1,268	214	89	12,704	5	7		\$0 50.9	\$0 57.2	1,016,624	
Averages					265								\$0 83.8

a Output included in No. 10.

c Not operated during the year.

e New shaft.

\* Total output mined by machines.

b Abandoned March, 1888.

d Stopped for want of escapement.

g Not included in average of days.

## Madison County—Fourth District—1888.

Name of firm, company or person operating mine.	Town, or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Keys of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Value at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Con. C. C., St. L., Mo.													
Abbey No. 3	Collinsville	110	110	42	4	381	1,225					* 138,150	\$5
Collinsville, a	"												
Lumagli, a	"												
Heintz Bluff	"	99	99	42	3	264	1,097	1				* 135,319	\$5
Canteen	"												
Troy	Troy	56	56	25	3	246	739	1				* 55,094	\$5
Brookside	"	42	65	17	2	222	648			\$0 50	\$0 56½	48,214	\$5
Worden No. 11, a	Worden												
Worden No. 12	"	40	65	10	2	121	287			50	56½	19,921	\$5
M'Donald, a	"												
Wolf Bros. C. & M. C.	Edw'sville	60	47	12	2	252	722	1		50	56½	60,210	\$5
P. Wonderly & Co.	"	40	60	6	3	260	360	1		50	56½	38,832	\$5
John Kelly & Sons	"	4	10	1	1	304	37			50	56½	4,390	\$5
Alton S. & F. B. Co.	Alton	7	10	2	1	238				1 00	1 00	5,130	\$5
Nathan Sydel	N. Alton	4	9	1	2	220				1 00	1 00	2,644	\$5
James Mitchell	"	10	12	1	3	240				1 00	1 00	4,722	\$5
Taylor & Ball	"	6	10	1	1	248				1 00	1 00	3,500	\$5
Henry Molloy	"	3	6	1		150				1 00	1 00	1,210	\$5
Thos. Cowlan b	"	8	10	1	2	240				1 00	1 00	4,320	\$5
Wm. Chancelworth	Fosterburg	4	6	1		218				75	75	2,610	\$5
Fritz Ramis	"	3	5	1		200				75	75	1,612	\$5
Henry Meyer	Bethalto	6	10	1		220				75	75	3,287	\$5
Wilkinning & Green	Moro	2	4	1	1	200				75	75	1,822	\$5
Green & Monahan	"	2	5	1	1	214				75	75	2,014	\$5
Wm. Richardson	"	3	6	1	1	222				75	75	2,212	\$5
Wm. Owens	"	2	4	1		200				75		1,710	\$5
Totals (36 mines)		511	659	169	32	5,105	1 3			\$0 57.4	\$0 62.5	512,948	\$5
Averages						218							\$5.1

a Not operated during the year.

b New mine.

\* Total output mined by machines.

## Montgomery County—Fourth District—1888.

Name of firm, company, or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Keys of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Value at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Litchfield Coal Co.	Litchfield	12	24	9	1	242				\$0 75	\$0 75	11,941	\$5
Hillsboro C. & M. Co.	Hillsboro	8	8	6		130	43			50	56½	3,061	\$5
Totals (2 mines)		20	32	15	1	43						14,336	\$5
Averages						181				\$0 69.7	\$0 71		\$5.1

*Morgan County—Fourth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES, ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.....	Boys employed underground....	Days worked during year.....	Keas of powder used during year.....	Casualties.		Price per ton for mining.		Total tons of coal mined.....	Av. value per ton at the mine.....
		Summer..	Winter ..					Killed....	Injured...	Summer..	Winter ..		
Jack'ville C. & M. C.	Jack'ville ..	10	12	6	.....	300	.....	.....	.....	\$1 00	\$1 00	3,930	\$1 75
Morgan Co. Coal Co.	Franklin..	10	14	4	1	210	182	.....	.....	62½	62½	7,300	1 75
Thompson's Coal M.	Bethel ....	3	8	1	.....	262	.....	.....	.....	87½	87½	1,425	1 75
Totals (3 mines) ..	.....	23	34	11	1	.....	182	.....	.....	.....	.....	12,545	.....
Averages .....	.....	.....	.....	.....	.....	224	.....	.....	.....	\$0 77.1	\$0 77.1	.....	\$1 75

*Sangamon County—Fourth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Keels of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Dennis Noonan	Auburn	10	30	6	.....	200	406	.....	.....	\$0 50	\$0 56½	11,933	\$1 00
Starnes, Black & Hahn	Chatham	20	45	7	.....	180	632	1	.....	50	56½	10,552	1 00
Junction Coal Co.	Hes' J'ct'n	25	30	10	2	200	776	.....	.....	57½	61½	21,071	98½
J. W. Moore & Co.	"	40	120	25	.....	200	2,547	1	.....	57½	62½	66,150	1 00
Sp'fd Co-op. C. Co.	Ridgely	30	50	20	.....	300	1,250	.....	.....	57½	62½	88,600	1 00
Central Coal Co., a	Springfld.	40	40	14	2	150	450	.....	.....	57½	62½	10,000	1 00
Wil & Sp'fd C. Co.	Ridgely	60	80	20	.....	306	2,278	.....	.....	57½	.....	* 64,970	1 00
Sp'fd C. & T. Co.	"	50	80	16	8	200	1,466	.....	.....	62½	62½	32,072	90
West End Coal Co.	Springfld	20	95	26	1	220	1,024	.....	.....	62½	62½	26,377	1 10
Capital Co-op. C. Co.	"	32	50	34	4	250	2,242	.....	.....	62½	62½	57,860	93½
No. 1	"	14	17	12	.....	140	581	.....	.....	62½	62½	14,238	1 05
Sangamon C. & M. Co	"	30	60	15	.....	171	1,097	.....	.....	57½	62½	80,975	1 00
No. 2	"	50	100	24	.....	135	1,592	1	.....	57½	62½	46,700	1 00
Illinois Fuel Co.	Riverton	55	75	63	3	255	2,297	3	.....	57½	62½	+ 81,858	95
Riverton C. & M. Co.	"	80	160	25	5	100	3,156	1	.....	57½	62½	85,630	90
Barclay C. & M. Co.	Barclay	75	150	81	6	250	3,500	1	.....	56½	62½	94,500	90
Wabash C. & M. Co.	Dawson	68	68	43	3	160	2,360	.....	.....	62½	62½	58,644	90
Sp'fd & P. Pns C. Co	P. Plains	6	13	5	.....	300	287	.....	.....	65	65	7,830	1 00
Totals (18 mines)		706	1,248	396	34	.....	27,941	1	6	.....	.....	764,970	.....
Averages		.....	.....	.....	.....	210	.....	.....	.....	\$0 58.5	\$0 62.2	.....	\$0 95.7

a New mine.

\* 66,396 tons mined by machines.

† 40,877 tons mined by machines.

## Scott County—Fourth District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYEES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Keys of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Wm. H. Bates & Co.	Winch'ter.	20	40	6	...	300	405	...	...	\$1 12½	\$1 12½	11,000	\$12.50
Chas. Poole	"	2	3	1	...	23	...	...	...	1 12½	1 12½	22	2.75
Hugh McGuire	"	12	5	...	...	800	...	...	...	1 12½	1 12½	52	6.50
McGuire Bros.	Aleey	2	5	1	...	124	...	...	...	1 12½	1 12½	54	6.75
Totals (4 mines)		26	53	8	...	...	405	...	...	\$1 12.5	\$1 12.5	12,491	\$15.62
Averages						279							\$15.62

## Shelby County—Fourth District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYEES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Keys of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
J. Richardson	Shelbyv'e.	4	9	1	...	200	...	...	...	\$2 00	\$2 00	1,200	\$15.00
C. J. Kurtz	"	4	8	1	...	220	...	...	...	2 00	2 00	1,420	\$17.75
S. M. Kelly	"	4	6	1	...	210	...	...	...	2 00	2 00	1,400	\$17.50
Michael Brophy	"	4	5	1	...	200	...	...	...	2 00	2 00	1,200	\$15.00
Eliga Tutal	"	3	...	1	...	90	...	1	...	2 00	2 00	234	2.92
John Minto	Rob't'n Ck	3	2	...	...	150	...	...	...	2 00	2 00	400	5.00
Chas. Askens	"	2	4	1	...	120	...	...	...	2 00	2 00	250	3.12
John Streach	"	1	2	...	...	100	...	...	...	2 00	2 00	150	1.87
A. Cummings	Fancher...	2	4	1	...	150	...	...	...	2 00	2 00	200	2.50
Totals (9 mines)		27	41	7	...	...	...	1	...	\$2 00	\$2 00	7,940	\$9.92
Averages						160							\$9.92

## Recapitulation by Counties—Fourth District—1888.

COUNTIES.	MINES.				MINERS.							PRICES AND PRODUCTS.			
	Number of mines..	Shipping mines...	Mines in local trade	Abandoned mines..	No. of miners and other employes.				Average number of days worked.....	Number of kegs of powder used.....	Casualties.	Average Price for hand mining.		Total tons of coal mined.....	Average value per ton at the mine....
					Miners, summer	Miners, winter	Other employes	Boys under ground				Summer...	Winter...		
Bond.....	2	2	...	...	40	95	22	1	231	1,340	...	\$0 50	\$0 58.4	38,300	\$1 04.2
Calhoun..	1	...	1	...	...	5	1	...	200	60	...	...	85	1,086	2 00
Christian.	3	3	...	2	64	98	58	4	288	764	...	60	60	*147,030	90.2
Coles.....	...	1	...	1	...	...	...	...	180	...	...	75	75	27,210	1 50
Edgar...a	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Greene...	10	...	10	1	38	44	5	...	244	...	...	75	75	14,494	1 50
Jasper...a	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Jersey....	5	...	5	...	10	16	...	...	213	...	...	1 00	1 00	3,949	1 75
Macon....	3	3	...	...	241	439	153	17	268	5,766	2	66.4	66.4	280,805	1 25.8
Macoupin	22	15	7	1	912	1,268	214	39	229	12,704	5	50.9	57.2	†1,016,624	88.3
Madison..	26	12	14	1	511	659	169	32	218	5,105	1	57.4	62.5	‡512,948	87.9
Montgo'ry	2	2	...	1	20	32	15	1	181	48	...	60.7	71	14,295	1 19.7
Morgan...	3	1	2	...	23	34	11	1	224	182	...	77.1	77.1	12,545	1 74.9
Sangam'n	18	18	...	2	706	1,243	396	34	210	27,941	1	58.5	62.2	‡764,970	95.7
Scott.....	4	1	3	...	26	53	8	...	279	405	...	1 12.5	1 12.5	12,491	1 50
Shelby...	9	...	9	...	27	41	7	...	180	...	1	2 00	2 00	7,943	2 50
Totals....	108	57	51	8	11	2,603	4,027	1,059	129	54,310	8	...	...	2,854,540	...
Averages.	...	...	...	...	...	...	...	...	216	...	...	\$0 57.9	\$0 63.1	...	\$0 94.7

Whole number of openings reported in 1887..... 111

Number of new mines or places opened during the year..... 8

Number of mines exhausted or abandoned during the year..... 11

Whole number of openings reported for 1888..... 108

a Not operated during the year.

\* 73,605 tons mined by machines.

† 622,557 tons mined by machines.

‡ 308,567 tons mined by machines.

| 107,273 tons mined by machines.



## FIFTH DISTRICT.

MR. JOHN S. LORD,

*Secretary of the Bureau of Labor Statistics, Springfield, Ill*

SIR:—In conformity with Section 12 of an act of the General Assembly, providing for the safety of persons employed in coal mines, in force July 1, 1883, I herewith submit the fifth annual report for the Fifth District.

The present report contains tabular statements for each county, giving the number of tons of coal mined with machinery; the number and patent of mining machines in use, with the various kinds of labor necessary to operate the same, and the prices paid per ton, per foot and per day; the number of hand-miners and other employes; the number of boys over fourteen years of age engaged in the mining industry of the district; the output of coal in tons at each mine; the number of kegs of powder used, and the number of days worked, with the aggregate value of the total product at the mines, and a record of the fatal and non-fatal accidents.

There are 151 mines in the district, 103 of which are shipping mines and 45 confined to the local trade, employing altogether 5,410 men and 127 boys in and about the mines.

The total output of coal is 2,637,546 tons—1,029,924, or 39 per cent. of which, has been produced by mining machines and day labor. In the production of the total output 46,733 kegs of powder were consumed.

## MACHINE-MINING.

On account of the abundance of coal, and its proximity to the surface, competition has become so keen as to necessitate the study of rigid economy in its production in order to enable the operators to put the coal on the market at the present low prices. With a view to this, mining machines have been, and are being, introduced into the larger mines, so as to furnish adequate means of producing cheap coal.

There are in the district 17 machine-mines, with 18 air-compressors, 98 mining machines, 36 air-drills, and about 67 patent hand-drills, employing, altogether, 1,354 men, as cutters, helpers, blasters, timbermen, loaders, etc., receiving wages, varying from \$1.25 to \$2.50 per day; or 4½c, 4½c and 5c per foot for cutters; ½c, 3½c and 3½c per foot for machine helpers; 11c, 11½c and 13c per ton for loading the coal.

Since the introduction of machine-mining a better system of working has been established, and a demand thus created for skilled machinists, cutters, blasters, timbermen, etc., and a stricter supervision of the work has been provided for. One of the most notable advantages of this system is the permanent improvements which have been effected in timbering the working places by men who are trained to this especial work. It is their duty to carefully inspect that portion of the mine under their charge, and to secure all unsafe roof; also to ascertain the condition of rooms and entries before allowing other workmen to enter.

While going through these mines I have observed that the props are more judiciously placed, and in such a manner as to impress one with the idea that the timbermen fully understand the responsibility of their positions, and also the principles of timbering, which knowledge is the result of experience and observation.

When a miner has charge of a room, and is being paid by the bushel, it often happens that he becomes so intent on getting out a certain amount of coal that he neglects to prop his place until he has finished loading a car, drilling a hole or throwing back slack; and such a delay on the part of the miner too often results in his death. When we take into consideration the accidents resulting from negligence on the part of the miner, we can readily see the advantages to be derived from training a special set of men to take charge of the timbering, holding them responsible for the security of the working places. There is no doubt that, under this system, accidents from falling coal and roof will be greatly reduced.

The men employed exclusively for blasting are the most experienced miners that can be found. It is their duty to handle all powder brought into the mine, make cartridges and fire the shots. These men become experts as blasters, gauging the shots with such precision as to obtain the very best results with a given quantity of powder, thereby securing economy in time, coal, and powder. The danger which accompanies the handling of explosives is also diminished by this method, because the powder is entrusted to fewer men, and to those only who understand both the uses and dangers of it.

The drillers are furnished with air-drills, or patent hand-drills, with which they are expected to drill a certain number of holes of a given depth during the day. The common way of drilling

holes is by the "churn" drill, by which it is practically impossible to drill a round hole. Generally a three cornered hole is made, which is very objectionable, because if the hole is perfectly round it will present a uniform surface to the pressure, retaining the blast until its force is fully developed. With a three cornered hole the pressure on the sides is concentrated at the corners, which, being required to resist more than their share of the pressure, give way, permitting the explosive gases to escape before the force is fully developed, and thus produce only a large amount of smoke.

By the introduction of hand-drilling machines a cheaper and better hole has been secured. The hole being perfectly round requires less powder, as it retains the explosive gases until their power is fully developed.

#### NEW MINES.

New mines have been opened and put in operation during the year, as follows: Brandenberger Bros., Belleville; Oakland Mining Co., Belleville; Daniel Marsh & Son, Belleville; Lill & Schindee, Belleville; Dickison & Jones, Belleville; Crown Coal Co. No. 1, near Belleville; Madox & Son, Belleville; Tilden Mining Co., Tilden; New Enterprise Coal Co., Marissa; Consumers Coal Co. Caseyville; New Athens Coal Co., New Athens; James Lemont, Centerville Station; Robert Brennan, Caseyville; St. Louis Ore & Steel Co. No. 5, shaft, machine mine, Murphysboro; Future Mining Co., Breese; Griffin & Nickles, Carterville; A. Burgan, Stoneford; Dean & Hopper, Percy; Big Muddy Coal & Coke Co., shaft No. 2, DeSoto; Miller, French & Ranch, Lenzburg; J. L. Weir & Son, Sparta; Roseborough & Moffat, shaft No. 2, Percy.

All the above mines, with the exception of those of A. Burgan, Stoneford, and Roseborough & Moffat, Percy, are working a seam of coal varying from 7 to 9 feet in thickness.

The following new mines have been opened and are preparing to hoist coal: Jupiter Mining Co., DuQuoin; Superior Mining Co., DuQuoin; Henry Horn, Esq., DuQuoin; G. W. Brown, Esq., Pinckneyville.

Elkville Coal Co.'s mine, owned by Halliday Bros., and located at Elkville, Jackson county, will be operated entirely with the Legg mining machine, workmen being paid by the day.

New shafts for hoisting purposes are being sunk as follows: Joseph Taylor, Ridge Prairie; Charles Donow & Bros., O'Fallon; John Yock, Belleville; Edward Aband, Belleville; Crown Coal Co. No. 2, Belleville; Harry Taylor, Belleville; Isaac Jonston, Marissa; Thomas Davis, French Village; Fred Murphy, Belleville; Bruggeman & Hortman, Belleville; A. C. Wiley, Sparta.

The following abandoned mines have been reopened during the year: Freeburgh Coal Co.'s mine, Freeburgh; Union Mines, Caseyville; Winning & McMath, Carterville.

Two of the above companies have erected new head-frames, sunk escapement shafts, and are making other improvements in and about the mines.

Air shafts are being sunk as follows: Consumers' Coal Co., Caseyville; Brandenberger, Belleville; Dickinson & Jones, Belleville; Fred Murphy, Belleville.

From the above it will be observed that there have been 23 new shafts sunk and put in operation, and three abandoned mines reopened during the year, 19 of which are "shipping mines," and all accessible to St. Louis. There are, in addition to these, six other new mines almost ready for operation, and eleven in process of sinking, near to the same market, and destined to compete for, and to share, in some measure, the business of that market. At no previous period, probably, has the price of coal been lower, nor has there ever been greater development of close economy in the working of coal than in the year just ended.

#### IMPROVEMENTS.

At Shaft No. 4, of the St. Louis Ore & Steel Co., at Murphysboro, a new head-frame has been erected, two Cherry automatic dumping cages put in, and an entire new outfit of mine cars purchased, at a cost of \$5,000. Shaft No. 5, belonging to the same company, is a new machine mine, having been equipped with the latest improved machinery. There are four new cylinder boilers, 39"x30'; double engine, 12"x24"; one Ramsey box-car loader, and two Cherry automatic dumping cages. The method of working this mine is by the three-entry system, the splits being so arranged that as soon as the new fan is erected there will be an abundance of ventilation. At present they are ventilating by a steam jet.

Two new fans have been built by the Gartside Coal Co. at their shafts No. 1 and 4, at Murphysboro, which have greatly improved the ventilation.

The White Oak mine, operated by the Consolidated Coal Co., has been fitted with two new 34"x30' cylinder boilers, new ropes, one Blake air-compressor, and the fan has been remodeled.

The Crystal Plate Glass Co., at Fredonia, have greatly improved the sanitary condition of their mine by sinking an air shaft and erecting a 12-foot fan over it. They have also put in two new boilers and one Ramsey box-car loader.

By adopting a better system of conducting the air to the working faces, and sinking a new air shaft, the Carterville Coal Co., of Carterville, have greatly improved their mine.

The Enterprise Coal Co. and the DuQuoin Mining Co., of DuQuoin, have erected new fans at their mines, which are giving excellent results.

The Odin Mining Co., at Odin, and the Future Mining Co., of Breese, have put up new fans at their mines.

Various improvements have been made by the Carbondale Coal and Coke Co., Murphysboro, such as retimbering the shaft, putting new ladders in the escapement, erecting a 12-foot fan, and splitting the air currents. Lumber is now on the ground for new head-frame.

The Enterprise mine, at Belleville, has undergone repairs, putting up a new head-gear and adjusting safety catches.

Freeburg Coal Co., Freeburg, have constructed a new head-gear, sunk a new air-shaft, erected a fan and new boiler, and put in steel ropes.

Bessemer Coal Co., Summerfield, have just finished sinking the escapement shaft a depth of 300 feet, completing their new head-frame, putting in new cages, and making all buildings fire-proof.

They are now sinking the escapement shaft at the Oaklawn mine, Belleville, and the Kloess mine has just finished putting in a new boiler.

The Northwestern mine, owned by the Consolidated Coal Co. and leased by Frank Kerchner, Belleville, has undergone repairs. A new head-frame has been built and other improvements made.

Valuable assistance has been rendered by the following County Mine Inspectors: Thomas Lloyd, Renshaw, St. Clair county (whose commission has expired); A. L. Haig, of Caseyville, the present County Inspector of St. Clair county; George Gillette, Jackson county; and Wm. Knight, of Perry county.

#### STRIKES. .

At quite a number of mines the relations of operators and miners are far from being harmonious, and both parties seem unwilling to yield a point before the test of strength has been made. After a strike has occurred, the conclusion generally reached is that a settlement might have been attained beforehand had the parties come together in a business like manner.

It is to be hoped that in the future when misunderstandings arise, both operators and miners will be inclined to come together and adjust their differences in such a manner as to prevent the stopping of the works for a single day.

On February 1, 1888, the miners employed at the mines of the DuQuoin Coal Co., The Illinois Central Coal Co., and the Enterprise Coal Co., at DuQuoin, came out on a strike, to retain for February, March and April the 62½¢ per ton of 2,000 pounds which they had received during the months of October, November and December, 1887, and January, 1888.

The operators claim that on October 1, 1887, they entered into an agreement with the miners to work one year for the following prices: 62½¢ per ton of 2,000 pounds during the months of October, November and December, 1887, and January, 1888, and 56½¢

er ton of 2,000 pounds during the months of February, March and April, 1888, and 50c per ton of 2,000 pounds during the months of May, June, July, August and September, 1888; all coal to be weighed after passing over the companies'  $1\frac{1}{2}$  inch screen. The miners worked the first three months at 62 $\frac{1}{2}$ c per ton, claiming that no contract had been entered into, and that they were at liberty to quit work at any time. The operators, on their part, claimed that there was a contract, which would have to be complied with before entering into any other agreement.

This state of affairs continued until about the first of May, 1888, at which time the miners went to work at 50c per ton, having been out on strike for three months.

April 20, 1888, the miners of the St. Louis Ore and Steel Co., the Carbondale Coal and Coke Co., and the Gartside Co., at Murphysboro, came out on a strike against a reduction of 10 per cent.

The companies claim that on November 1, 1887, by request of their employes, they adopted the Consolidated Coal Co.'s scale of prices; that the Consolidated Co., on April 2, 1888, reduced all machine miners 10 per cent., thereby necessitating the same reduction being made in the Big Muddy coal field.

The miners state that they did not accept the Consolidated Coal Co.'s scale as a basis of settlement, but that the Columbus scale was the basis.

After a strike of 20 days, the miners resumed work at a reduction of 12 per cent.

At the Crystal Plate Co., Fredonia, there have been various strikes, lasting from two days to two weeks, on such questions as laying point rails in the rooms, loading coal, etc., etc. On April 25, 1888, the miners at this mine came out on a strike against a reduction of 10 per cent. The strike was declared off June 8, 1888, the company having in the meantime commenced operations with Italian miners.

The miners of the Carterville Coal Co., at Carterville, came out on a strike against a similar reduction as the above. After being out a few days they compromised the matter and resumed work.

The miners of the Bryden Coal Co. instituted a strike June 1, 1888, against a reduction of 10 per cent. After being out for 40 days they accepted the reduction and went to work.

#### FATAL AND NON-FATAL ACCIDENTS.

Following are tabulated lists of the accidents during the year:

*Fatal Casualties in the Fifth District.*

Date.	Name.	Age	Residence.	Married	Children	Cause of Accident.
1887.						
Oct. 19	Adams, Thomas.....	30	Murphysboro	1	...	Falling of coal in mine.....
" 19	Gates, Alfred.....	35	DuQuoin	1	...	Falling of rock at face of room.....
Nov. 4	Wilson, James.....	22	Birkner,	1	...	Pit-cars.....
" 14	Jarret, Richard.....	25	Murphysboro	1	...	Falling of rock in mine.....
Dec. 14	Morris, Samuel C.....	43	Sparta	1	...	Falling of rock in mine.....
" 23	Whitehead, George.....	65	DuQuoin	1	...	Falling of rock in room.....
1888.						
Jan. 18	Fletcher, Edward.....	39	Collinsville.	1	...	Bursting emery wheel on the surface.....
" 19	Stevens, George.....	a	Roseborough	1	...	Accidental explosion of powder.....
" 19	Stevens, Chris.....	a	"	1	...	Accidental explosion of powder.....
" 19	Crosson, William.....	"	"	1	...	Accidental explosion of powder.....
Feb. 8	Rice, William.....	18	Tamaroa.....	1	...	Premature discharge of blast.....
May 30	Knight, William.....	54	DuQuoin	1	...	Falling of rock in mine.....
June 26	Wilson, James A.....	35	Sparta	1	...	Premature discharge of blast.....
	Totals.....			8	5 26	

a Colored.

## RECAPITULATION.

Residence.	No.	Casualties.	No.	Per cent.
Birkner.....	1	Blasting, premature discharge.....	2	15.3
Collinsville.....	1	Bursting emery wheel.....	1	7.6
DuQuoin.....	3	Explosion of powder, accidental....	3	23.0
Murphysboro.....	2	Falling coal in mine.....	1	7.6
Roseborough.....	2	Falling rock in mine.....	5	38.5
Sparta.....	3	Pit-cars.....	1	7.6
Tamaroa.....	1			
Totals.....	18	Totals.....	13	100.0

*Non-Fatal Casualties in the Fifth District.*

Date.	Name.	Age	Residence.	Married	Children	Character of Injury and Cause of Accident.
1887.						
Oct. 19	Miles, Samuel.....	32	DuQuoin	1	...	Leg broken by falling rock in mine.....
" 19	Harteborn, Hiram.....	...	Belleville	1	...	Ankle bruised by falling rock in mine.....
" 21	Dickinson, George.....	50	St. Johns	1	...	Body bruised by timbers in mine.....
" 21	Buckham, Fred.....	21	Belleville	1	...	Shoulder broken by falling coal in mine.....
Nov. 7	George, Isaac.....	38	Kinmundy	1	...	Body burned by explosion of gas in mine.....
" 9	Cox, John.....	19	Centralla	1	...	Body burned by explosion of dust.....
" 9	Wollenhauff, Henry.....	20	"	1	...	Body burned by explosion of dust.....
" 10	Eskins, William.....	34	St. Johns	1	...	Injured by falling rock in mine.....
" 10	Gillion, Charles.....	35	"	1	...	Injured by falling rock in mine.....
" 12	Ballie, Thomas.....	55	"	1	...	Injured by falling rock in mine.....
" 28	Pirke, Henry.....	27	Percy.....	1	...	Burned by accidental explosion of powder.....
Dec. 6	Duncan, Henry.....	35	Odin.....	1	...	Head bruised by ice falling down shaft.....
" 8	Tucker, O.....	...	Kinmundy	1	...	Injured by falling rock in mine.....
" 8	Brown, Henry.....	28	Renchler	1	...	Leg broken by falling rock in mine.....
" 8	Swertz, Henry.....	45	Belleville	1	...	Head injured by falling rock in mine.....
1888.						
Jan. 4	Mason, Eugene.....	50	Marissa.....	1	...	Head injured by falling rock in mine.....
" 19	Faruno, Tonle.....	49	Murphysboro	1	...	Leg injured by pit-car.....

*Non-Fatal Casualties—Continued.*

Date.	Name.	Age	Residence.	Single	Married	Children	Character of Injury and Cause of Accident.
1888.							
Feb. 2	Tabour, James.....	27	Centralia.....	1	..	..	Toes bruised by pit-car.....
" 8	Wambacker, William.....	45	Trenton.....	1	..	..	Back injured by falling rock in mine.....
Mch. 9	Votko, Andrew.....	34	Murphysboro.....	1	..	..	Leg broken by falling clod.....
" 19	Stanley, John.....	26	".....	1	..	..	Arm broken by pit-car.....
" 23	Crannage, George.....	47	Belleville.....	1	..	..	Back and legs injured by pit-car.....
" 29	McClintock, Alexander.....	58	Ava.....	1	..	..	Collar bone broken by falling clod.....
" 31	Christy, Joseph.....	17	Murphysboro.....	1	..	..	Leg broken by falling clod.....
June 25	Wezner, George.....	15	Belleville.....	1	..	..	Injured internally by falling down shaft in cage.....
" 26	Mohrel, Oscar.....	37	".....	1	..	..	Injured internally by falling down shaft in cage.....
" 26	Wezner, Charles.....	24	".....	1	..	..	Leg broken by falling down shaft in cage.....
" 26	Wallawa, John.....	23	".....	1	..	..	Ankles bruised by falling down shaft in cage.....
" 26	Huffman, Edward.....	31	".....	1	..	..	Leg bruised by falling down shaft in cage.....
	Totals.....			19	10	..	

a Injured internally, causing paralysis of lower limbs.

## RECAPITULATION.

Residence.	No.	Casualties.	No.	Per cent.
Ava.....	1	Dust, explosion of.....	2	6.9
Belleville.....	9	Falling clods in mine.....	3	10.84
Centralia.....	3	Falling coal in mines.....	1	3.4
DuQuoin.....	1	Falling down shaft.....	6	20.68
Kinmundy.....	2	Falling rock in mine.....	10	34.48
Marissa.....	1	Gas explosion.....	1	3.4
Murphysboro.....	4	Pit-cars.....	4	13.8
Odin.....	1	Powder accidental explosion.....	1	3.4
Percy.....	1	Timbers in mine.....	1	3.4
Renschler.....	1			
St. Johns.....	4			
Trenton.....	1			
Totals.....	29	Totals.....	29	100.00

## LEGISLATION.

It is made the duty of the inspector of mines, in section 12 of the mining law, to recommend changes in, or amendments to the same.

In conformity with this section, I would respectfully recommend the passage of a measure, limiting the quantity of blasting powder conveyed to the working places of miners.

A fatal accident has occurred during the year, by which three men lost their lives, from the careless handling of a quantity of powder, sufficient to have met all their requirements in blasting for six days.



## FIRES.

October 31, 1887, the fan house, blacksmith shop and oil room was totally destroyed by fire at the DuQuoin Coal Co.'s mines, DuQuoin.

The buildings of the Illinois Central Coal Co. at St. Johns were totally destroyed by fire on the evening of April 29, 1888.

This company was making preparations to start their work after being idle on a strike for three months; in making a fire under one of the boilers, used to generate steam for a salt well it was found that the soot in the chimney had caught fire; the sparks falling on the buildings set them on fire. Three engines, a slack washing machine, the elevators and a number of mine cars were all destroyed.

Since entering on my commission October 1, 1887, the most important mines have been visited from two to four times, and the smaller mines once.

Respectfully submitted,

JAMES TAYLOR,

*Inspector Fifth District,*

Ashley.

*Clinton County—Fifth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.								PRODUCTS AND VALUES.	
		Miners employed.		All other employes.	Boys employed underground.	Days worked during year.	Kegs of powder used during year.	Casualties.	Price per ton for mining.	Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.								
Con. C. Co., St. L., Mo.	Trenton ..	90	90	36	1	249	515	1	.....	b 60,763	\$0 82
Future Mining Co., <sup>a</sup>	Breese ....	23	28	9	.....	125	150	.....	\$0 50	5,100	87
Carlyle Mining Co.	Carlyle ....	5	5	5	.....	250	50	.....	80	600	2 00
Totals (3 mines) ..	.....	123	123	50	1	.....	715	1	.....	66,463	.....
Averages .....	.....	.....	.....	.....	.....	208	.....	.....	\$0 53.2	\$0 58.9	\$0 83.4

<sup>a</sup> New mine.<sup>b</sup> Total output mined by machines.*Gallatin County—Fifth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.								PRODUCTS AND VALUES.	
		Miners employed.		All other employes.	Boys employed underground.	Days worked during year.	Kegs of powder used during year.	Casualties.	Price per ton for mining.	Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.								
D. Abraham .....	Bowlesv'e.	2	5	.....	.....	182	52	.....	\$0 87½	2,500	\$1 25
Bowlesville Coal Co.	"	10	16	8	.....	130	112	.....	62½	8,342	1 25
Equality Coal Co. ....	Equality ..	25	40	10	.....	230	1,200	.....	62½	82,130	1 80
Saline mine .....	Saline ....	.....	4	1	.....	129	60	.....	87½	2,512	1 25
Totals (4 mines) ..	.....	37	65	14	.....	.....	1,424	.....	.....	45,374	.....
Averages .....	.....	.....	.....	.....	.....	168	.....	.....	\$0 64.2	\$0 64.2	\$0 91.4

## Jackson County—Fifth District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.....	Boys employed underground.....	Days worked during year.....	Kegs of powder used during year.....	Casualties.		Price per ton for mining.		Total tons of coal mined.....	Av. value per ton at the mine.....
		Summer..	Winter...					Injured...	Killed....	Summer..	Winter...		
Bryden C. & C. Co....	Ava.....	85	110	88	8	220	670	1		\$0 50	\$0 58½	66,065	\$0 98
Phillips Bros.....	"	8	12	5		150	75			58½	58½	2,720	1 00
Henry Delzeler.....	"	2	3	1		220	82			45	50	1,088	1 00
Big Muddy C. & C. Co													
No. 1, a.....	DeSoto	33	48	21	4	225	550			50	55	26,270	0 80
Carbondale C. Co....	M'p'ysb'ro	40	75	37	7	195	365	2		56½	69	c 49,264	80
Gartside Coal Co.													
No. 1.....	"	20	35	7	1	221	223	2		50	68	18,000	1 00
No. 4.....	"	14	14	28	3	221	121					d 22,000	1 00
Carbon Hill Mines	Carb'ndale	2	5	3		200	68			75	75	12,235	1 00
George Wright.....	Boskeydell	2	2			205	24			87	87	640	1 00
St. L. Ore & Steel Co													
No. 4, b.....	M'p'ysb'ro	160	160	7	7	222	1,110	2				d 137,820	90
No. 5, b.....	"	154	154	5	5	272	816					d 113,235	90
Wm. Campbell.....	Grubb.....	1	2		1	150				50	50	325	1 00
Ashby Crane.....	"												
Big Muddy C. & C. Co													
No. 2, b.....	DeSoto	1	2		1	162				50	50	410	1 00
Totals (14 mines)...		522	622	152	37	4,148	2	5				445,575	
Averages.....						205				\$0 51.7	\$0 61.0		\$0 90.2

a The output of Big Muddy No. 2 included in No. 1.

b New mine.

c 27,537 tons mined by machines.

d Total output mined by machines.

## Johnson County—Fifth District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES, ETC.										PRODUCTS AND VALUES.	
		Min'rs employed.		All other employees.....	Boys employed underground.....	Days worked during year.....	Kegs of powder used during year.....	Casualties.		Price per ton for mining.		Total tons of coal mined.....	Av. value per ton at the mine.....
		Summer..	Winter...					Injured...	Killed....	Summer..	Winter...		
John Dupont.....	N.B'rs'de	25	68	16		220	1,000			\$0 62½	\$0 62½	23,210	\$0 80
Totals (1 mine)....		25	68	16		220	1,000					23,210	
Averages.....						220				\$0 62½	\$0 62½		\$0 80

*Marion County—Fifth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES, ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.....	Boys employed underground....	Days worked during year	Kegs of powder used during year	Casualties.		Price per ton for mining.		Total tons of coal mined.....	Av. value per ton at the mine.....
		Summer..	Winter..					Killed....	Injured....	Summer..	Winter..		
Sandoval Coal Co. ....	Sandoval..	50	100	44	4	191	2,070	...	...	\$0 50	\$0 56½	56,134	\$0 80
Salem Coal Co. ....	Salem.....	20	20	2	...	150	250	...	...	50	62½	976	1 10
Centralia M. & M. Co	Centralia..	90	123	43	3	275	1,700	...	3	62½	62½	71,055	1 00
Odin Coal Co. .... <sup>a</sup>	Odin.....	50	60	22	4	300	600	...	1	50	56½	22,000	1 00
Kinmundy Coal Co..	Kinmundy	5	20	3	...	200	26	...	2	67½	67½	6,810	1 40
<b>Totals (5 mines)...</b>		<b>215</b>	<b>325</b>	<b>123</b>	<b>11</b>	<b>4,646</b>	<b>6</b>					<b>156,975</b>	
<b>Averages .....</b>						<b>223</b>				<b>\$0 56.4</b>	<b>\$0 59.6</b>		<b>\$0 88.2</b>

<sup>a</sup> Fan put in.*Perry County—Fifth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES, ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.....	Boys employed underground....	Days worked during year	Kegs of powder used during year	Casualties.		Price per ton for mining.		Total tons of coal mined.....	Av. value per ton at the mine.....
		Summer..	Winter..					Killed....	Injured....	Summer..	Winter..		
Ill. Cent. C. & Salt Co	St. Johns.	125	150	57	7	164	1,125	...	4	\$0 50	\$6 62½	62,879	\$1 00
DuQuoin Coal Co. ...	DuQuoin..	125	125	75	4	250	1,600	2	1	50	62½	61,300	1 00
Perry Coal Co. ....	"	50	60	26	6	324	1,059	...	...	50	50	34,992	90
Wm. Greenwood ....	"	15	25	2	...	150	...	...	...	50	62½	6,000	75
Richard Baillie.....	"	15	15	3	...	250	180	1	...	50	62½	6,241	75
Frizzell Coal M. Co..	"	20	30	...	...	350	320	...	...	50	62½	10,240	1 00
Moore Coal Co. ....	"	18	27	6	...	241	300	...	...	50	62½	11,143	1 00
Malone & Miller ....	Pick'ville.	2	6	1	...	150	...	...	...	50	50	1,600	1 25
Gallum Mines.....	Barwell...	15	27	6	1	275	400	...	...	50	56½	11,142	82
D. C. Barbour & Co.	Tamaroa..	15	20	6	...	210	480	1	...	50	50	12,800	90
P. White .....	"	22	28	12	...	210	500	...	...	50	50	15,260	90
Sun Coal & Coke Co	Sunfield ..	61	61	23	...	184	990	...	...	50	50	31,570	90
Enterprise C. & C. Co	DuQuoin..	40	80	34	4	200	1,084	...	...	50	62½	41,168	91
<b>Totals (13 mines)...</b>		<b>523</b>	<b>654</b>	<b>262</b>	<b>22</b>	<b>8,038</b>	<b>4</b>	<b>5</b>				<b>306,235</b>	
<b>Averages .....</b>						<b>212</b>				<b>\$0 50</b>	<b>\$0 58.3</b>		<b>\$0 94.3</b>

## Randolph County—Fifth District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES, ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kege of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
D. B. Boyd.....	Sparta	35	35	6	...	253	650	1	...	\$0 50	\$0 56 1/2	35,124	\$2 33 1/2
R. H. Roseborough.	"	50	65	10	...	350	1,000	3	...	50	56 1/2	45,000	2 33 1/2
J. T. Weir & Son...a	"	2	2	3	1	232	50	...	...	50	50	21	2 33 1/2
Geo. Stanway.....	"	1	2	...	...	100	2	1	...	50	50	1	2 33 1/2
Bernard Coal Co....	Percy	8	16	2	...	136	240	...	...	50	50	3	2 33 1/2
Goalby & Son, 1 & 2.	"	45	70	14	...	260	961	1	...	50	62 1/2	26,500	2 33 1/2
Roseborough & Moffat 1 & 2.....a	"	86	50	6	...	250	900	...	...	50	56 1/2	36,012	2 33 1/2
A. R. Morris.....	Blair	...	4	1	...	212	32	...	...	50	50	1	2 33 1/2
G. Gerlack.....	"	...	5	1	...	253	42	...	...	50	50	2	2 33 1/2
T. McDonough.....	"	2	6	...	...	130	45	...	...	50	50	2	2 33 1/2
Dean & Hopper...a	Percy	4	...	...	...	80	20	...	...	50	50	2	2 33 1/2
J. T. Weir & Son...b	Sparta	3	1	...	...	90	25	...	...	50	62	210	2 33 1/2
Consolidated Coal Co.	"	15	20	2	1	200	300	...	...	50	50	12,000	2 33 1/2
J. Jones, lessee....	Coulterv'l.	...	...	...	...	...	...	...	...	...	...	...	...
Tilden Mining Co...a	Tilden	6	6	2	...	100	20	...	...	50	50	600	2 33 1/2
Totals (16 mines)...		207	290	57	5	4,287	5	1	...	\$0 50	\$0 56.4	167,321	\$2 33 1/2
Averages.....						178							\$2 33 1/2

a New mine.

b Abandoned.

## Saline County—Fifth District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETS.										PRODUCTS AND VALUES.	
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kege of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Davenport & White.	Harrisb'g.	20	30	4	...	250	150	...	...	\$0 75	\$0 75	12,500	\$2 33 1/2
Heenan & Eferson.	Ledford.	2	12	4	...	50	50	...	...	75	75	2,085	2 33 1/2
W. H. Howell.....	Clifton	20	25	3	...	250	175	...	...	75	75	10,918	2 33 1/2
J. H. Musgrove.....	El Dorado.	10	20	5	...	150	75	...	...	62 1/2	62 1/2	4,500	2 33 1/2
J. F. Johnson.....	Stoneford.	...	2	1	...	90	4	...	...	75	75	121	2 33 1/2
A. Burgan.....a	"	...	3	...	...	50	4	...	...	75	75	52	2 33 1/2
Jabez Burgan.....	"	1	...	1	...	110	4	...	...	75	75	520	2 33 1/2
Joseph Stricklen...	Harrisb'g.	...	4	1	...	150	5	...	...	75	75	611	2 33 1/2
John Engrem.....	"	2	4	1	...	152	6	...	...	75	75	733	2 33 1/2
Jacob Engrem.....	"	1	2	1	...	100	3	...	...	75	75	509	2 33 1/2
Totals (10 mines)...		56	108	24	...	406	...	...	...	\$0 73.3	\$0 73.3	31,550	\$2 33 1/2
Averages.....						135							\$2 33 1/2

a New mine.

*St. Clair County—Fifth District—1888.*

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.		
		Miners employed.		All other employees.	Boys employed underground.	Days worked during year.	Kg. of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.	
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.			
Con. C. C., St. L., Mo:														
Renicke	Birkner...	30	80	11	1	200	526						449,435	\$0 82
Schureman	Belleville.	25	64	11	1	185	344						500,295	82
Grant	"	30	60	11	1	163	308						27,892	32
Richland	"	50	72	25	1	190	1,156						62,332	82
Gartside No. 4.	"	32	60	13	1	165	449						46,997	82
Yock	"	30	50	13	1	181	272						36,418	82
Knecht	Birkner...	30	54	13	1	197	539	1					50,128	82
White Oak	Marissa...	30	50	11	1	192	345	1					35,577	82
Abbey No. 4.	Ridge Pra.	30	60	12	1	184	747						61,381	82
Turkey Hill M. Co. a	Collinsv'le	60	80	41	1	207	1,017	1					90,189	82
Geo. Renther	Wilderm'n	60	80	10	1	270	3,390						82,000	75
Crown C. C. No. 1. a	Belleville.	4	7	2	1	240	12		\$0 50	\$0 50			2,300	1 00
Oakland Coal Co.	"	35	20	8	2	75	20	1	50	50			6,000	75
Pittsburg Mining Co.	"	20	20	6	2	150	151		50	50	56 1/2		12,532	1 00
John Maule	"	12	14	2		195	205		43	50	50		12,180	75
G. Gelwick	"	45	66	11	6	300	400		50	50	50		40,000	1 00
Lill & Schneider... a	"	4	6	4		234	17		50	50	50		3,335	1 00
Bessemer Coal Co.	"	2	3	1		250	25		50	50	50		2,000	87
James Lamont, No. 1	Summerf'd	25	50	15		200	400		50	56 1/2	56 1/2		15,000	90
Jas. Lamont, No. 2. a	Centerv'le	1	2			220	12		50	62 1/2			514	1 00
L. Ferber	"		2			24	1		50	62 1/2			30	1 00
C. Strawbinger	French V.		2	1		144	24		50	62 1/2			650	1 00
J. Charleston	"	1	2	1		250	24		50	60			850	1 00
Munkopf & Co.	"	2	2	1		260	64		50	60			1,000	1 00
Union Coal Co.	Millstadt	1	4	1		132	21		50	56 1/2			1,152	1 00
St. L. & High Pra. C. C.	"	40	40	4		220	40		43 1/2	50	50		18,000	82
Johnson & Avery	"	4	10	2		250	25		50	50	50		1,547	87 1/2
Robert Brennan	Birkner...	11	11	3	1	283	264		50	50	50		14,155	63
James Doyle	Caseyville	2	2			20	2		50	50	50		20	1 00
A. Ogden	"	2	3	2		270	8		50	50	56 1/2		556	1 00
A. Lloyd & Son	Rentchler.	16	24	6	2	260	515	1	50	50	56 1/2		18,240	75
Thomas Hurst	"	25	30	5		247	386		50	50	50		18,351	75
Harris Bros.	Belleville.		4	1		200	4		50	50	50		2,000	1 00
Dickinson & Jones. a	Lenze Sta.	30	40	6		230	210		50	50	56 1/2		25,000	75
Humboldt Mining Co	Belleville.		2	1		60	1		50	50	50		38	88
Joseph Taylor	"	30	30	5		300	200		50	56	56		24,000	75
Sebastin & Kroner-berger	Ridge Pra.	40	50	8		182	208		50	56	56		24,725	75
J. Johnson	Belleville..	2	4	2		200	10		50	56			400	1 00
Maddox & Son... a	"	6	10	2		160	70		50	62			611	1 00
John Kloes	"		6	2		55	14		50	50			504	68
New Enterprise... a	Belleville.	80	80	5		240	400	1	56	56			48,000	1 00
Wm. Crawford & Son	Marissa...	17		4	1	200	50		50	56			4,800	87 1/2
Brandenberger No. 1b	R'nchl'r st	20	25	6		311	120		50	56 1/2			15,150	62 1/2
Brandenberger No. 2a	Belleville.	30	40	4		100	600		50	50			22,000	90
Benjamin Yonson...	"	2	2	2		30			50	50			60	80
James Beatty	Smithton	2	2	1		200			50	50			600	1 25
George Guzman	Mascoutah	4	10	2		300	55		50	50			3,000	1 25
St. Clair St'm Sup. Co	Smithton	2	2			210			50	50			1,400	1 25
John H. Bee	Belleville.	5	6	1		276	30		45	50			5,523	1 12 1/2
Marsh & Son	"	1	3	1		30			50	50			60	75
Marsh & Son	Birkner...	10	13	3		60	20		50	50			1,000	75
Con. C. Co. St. L., Mo.	Belleville.	16	20	4	1	110	20	5	50	50			5,220	82
Concordia	"	25	35	5	1	208	12		50	56 1/2			21,071	82
Northwestern, F.	"													
Kerchner, lessee.	"	15	20	4	1	200	144		42 1/2	50			14,451	75
Renicke, C. Renicke, lessee.	"	30	30	6		255	150	1	50	62 1/2			23,344	87 1/2
W. R. Stuart, lessee.	Lebanon ..	20	23	7	2	216	200		50	56 1/2			10,000	85
Philips & Webber, lessee.	"													
H. J. Heinicke, lessee.	Belleville..	14	20	5	2	150	200		43 1/2	50			12,000	85
	Lenzburg ..	12	12	4	1	315	425		50	66			12,600	1 25

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All other employes.	Boys employed underground.	Days worked during year.	Keas of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
D. Zilleisdorf, lessee.	Marissa.	12	14	4	....	188	353	..	..	50	56½	12,680	8
Pittsburg Coal Co., lessee.	Belleville.	12	14	3	....	196	225	..	..	48	50	12,340	7
Groom & Allen, lessee.	"	6	8	2	....	300	30	..	..	50	50	5,000	61
Rose Hill Mining Co., lessee.	"	20	22	..	..	228	218	..	..	35	35	15,065	2
Bruggeman & Hortman, No. 1.	"	10	20	5	..	310	120	..	..	50	50	5,870	1 2
Bruggeman & Hortman, No. 2.	"	80	30	6	..	275	150	1	..	50	65½	22,000	7
Miller, French & Ranch.	Lenzburg.	..	8	2	..	240	30	..	..	50	50	600	1 2
John Carroll.	O'Fallon.	7	16	9	2	153	80	..	..	50	56½	5,080	1 2
Consumers Coal Co.	Caseyville.	29	38	11	1	133	350	..	..	50	62½	23,532	3
Jones & Hughes.	"	15	20	..	1	160	120	..	..	50	50	6,457	2 2
New Athens C. Co.	N. Athens.	4	..	3	..	60	6	..	..	50	50	40	..
Freeburg Coal Co.	Freeburg.	17	22	6	1	90	115	..	..	37½	50	5,200	2 2
Millstadt Mining Co.	Millstadt.	24	40	5	..	240	..	..	..	50	50	22,036	2 2
Fred Murphy.	Belleville.	4	10	1	..	300	..	..	..	50	50	2,400	..
Heinrich.	Heinrich.	16	30	..	..	110	200	..	..	50	50	5,640	..
Totals (73 mines) ..	.....	1,269	1,798	396	38	17,244	2,111	..	..	\$0 49.2	\$0 54.1	21,184,579	..
Averages .....	.....	..	..	..	..	194	..	..	..	..	..	..	\$0 28.1

a New mine.

b Mine abandoned during the year.

c Total output mined by machines.

e 510,644 tons mined by machines.

d This mine has no mining machines; they have a compressor, 4 air and 12 hand drills, and blast the coal off the solid.

## Washington County—Fifth District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES, WORKING TIME, WAGES—ETC.										PRODUCTS AND VALUES.	
		Miners employed.		All others employed.	Boys employed underground.	Days worked during year.	Keas of powder used during year.	Casualties.		Price per ton for mining.		Total tons of coal mined.	Av. value per ton at the mine.
		Summer.	Winter.					Killed.	Injured.	Summer.	Winter.		
Con. C. Co., St. L., Mo.	Nashville.	30	30	6	..	250	300	..	..	\$0 50	\$0 50	22,000	\$0 87
J. Morris, lessee.	DuBois.	20	30	12	1	215	800	..	..	50	50	19,000	90
White Smoke Co.	Okawville.	4	4	2	..	200	45	..	..	75	75	2,600	1 60
Totals (3 mines) ..	.....	44	64	20	1	1,045	..	..	..	..	..	43,600	..
Averages .....	.....	..	..	..	..	300	..	..	..	\$0 52.1	\$52.1	..	\$0 82.1

## Williamson County—Fifth District—1888.

Name of firm, company or person operating mine.	Town or postoffice nearest the mine.	EMPLOYES.										PRODUCTS AND VALUES.		
		Miners employed.		All other employees.....	Boys employed underground.....	Days worked during year.....	Kegs of powder used during year.....	Casualties.....	Injured.....	Killed.....	Price per ton for mining.		Total tons of coal mined.....	Av. value per ton at the mine.....
		Summer..	Winter ...								Summer..	Winter ...		
Carterville C. & C. Co	Carterville	100	150	31	6	260	2,225						86,081	\$0 75
Crystal Pt. Gl's Co. <sup>c</sup>	"	98	98	10	4	211	1,477						+ 66,174	65
Adam Young.....	"	2	2	2	1	210	20						2,189	1 00
Seth Reynolds.....	"	...	2	2	1	50	4						212	1 00
Winning & M'Math, <sup>a</sup>	"	2	2	1	...	30	2			\$0 50		\$0 50	82	90
Griffin & Nickles, <sup>a</sup>	"	4	4	1	...	78	10			50		50	350	1 00
Wm. Tippet.....	Marion....	1	3	2	...	100	7			37½		50	958	90
W. M. Reid.....	"	1	4	2	...	220	20			37½		50	2,550	1 00
Willoughby.....	"	1	1	1	...	200	15			37½		50	2,130	1 00
Totals (9 mines)...	.....	204	268	53	12	3,780							160,664	.....
Averages.....	.....					151				\$0 38.4		\$0 50		\$0 72.1

<sup>a</sup> New mine.<sup>c</sup> Escapement shaft completed and a new 12-foot fan put up.

† Total output mined by machines



## Recapitulation by Counties—Fifth District—1888.

COUNTIES.	MINES.				MINERS.							PRICES AND PRODUCTS.					
	Number of mines..	Shipping mines....	Mines in local trade	Abandoned mines..	No. of miners and other employés.				Average number of days worked.....	Number of kegs of powder used.....	Casualties.	Average price for hand mining.		Total tons of coal mined.....	Average value per ton at the mine....		
					Miners, summer.....	Miners, winter.....	Other employés.....	Boys underground.....				Summer.....	Winter.....				
Clinton.....	3	3	1	1	123	123	50	1	206	715	1	\$0 53.2	\$0 58.9	*66,463	\$0 31		
Gallatin.....	4	2	2	...	37	65	14	....	168	1,424	...	64.2	64.2	45,374	31		
Jackson.....	14	9	5	2	522	622	152	37	205	4,148	2	5	51.7	61	†445,575	30	
Johnson.....	1	1	...	...	25	68	16	....	220	1,000	...	62.5	62.5	28,210	3		
Marion.....	5	5	...	...	215	325	123	11	223	4,646	...	6	56.4	59.6	156,973	3	
Perry.....	13	10	3	...	523	654	262	22	212	8,088	4	5	50	58.3	306,235	34	
Randolph ..	16	10	6	4	1	207	290	57	5	178	4,287	5	1	50	56.4	167,321	31
Saline.....	10	3	7	5	...	56	103	24	....	135	406	...	73.3	73.3	32,550	3	
St. Clair....	73	58	15	13	3	1,209	1,793	396	38	194	17,244	2	11	49.2	54.1	†1,184,579	32
Washington	3	2	1	...	44	64	20	1	222	1,045	...	...	52.1	52.1	43,600	2	
Williamson	9	3	6	3	...	204	268	53	12	151	3,786	...	28.4	50	160,664	72	
Totals.....	151	106	45	28	4	3,225	4,370	1,167	127	....	46,733	13	29	.....	.....	\$2,637,546	.....
Averages...	...	...	...	...	...	...	...	...	191	.....	...	...	\$0 51.7	\$0 57.2	.....	\$0 35.5	

Whole number of openings, reported in 1887..... 118

Number of new mines or places opened during the year..... 37

Number of mines exhausted or abandoned during the year..... 4

Whole number of openings, reported for 1888..... 151

\* 60,763 tons mined by machines.

† 306,312 tons mined by machines.

‡ 510,644 tons mined by machines.

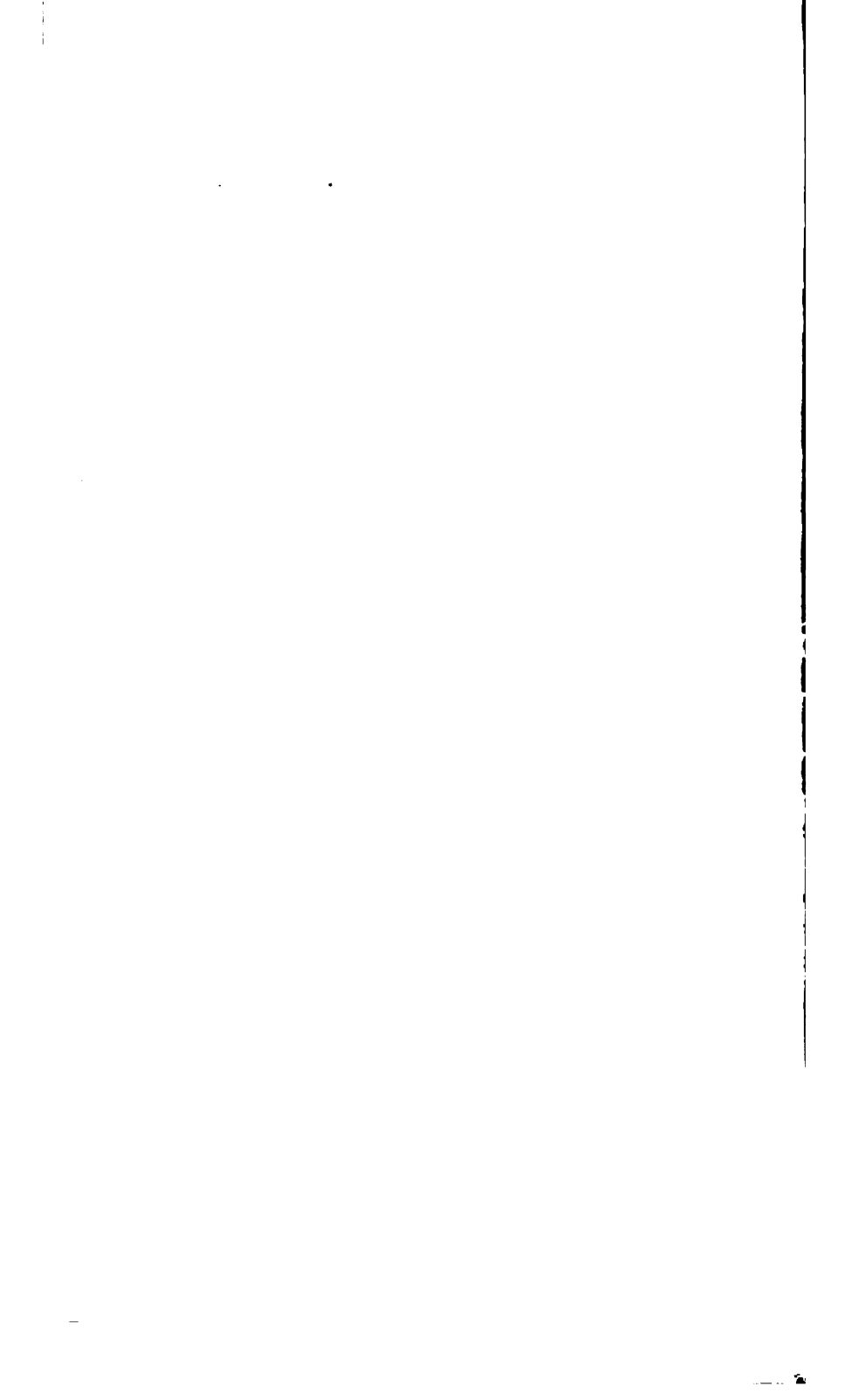
§ 152,205 tons mined by machines.

¶ Total of 1,029,924 tons mined by machines.









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